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Jameco Part Number 1935529

## Radial Lead Type

Series: FC Type : A

Country of Origin

Japan  
Malaysia  
China



- Features Endurance : 105°C 1000 h to 5000 h  
Low impedance  
RoHS directive compliant

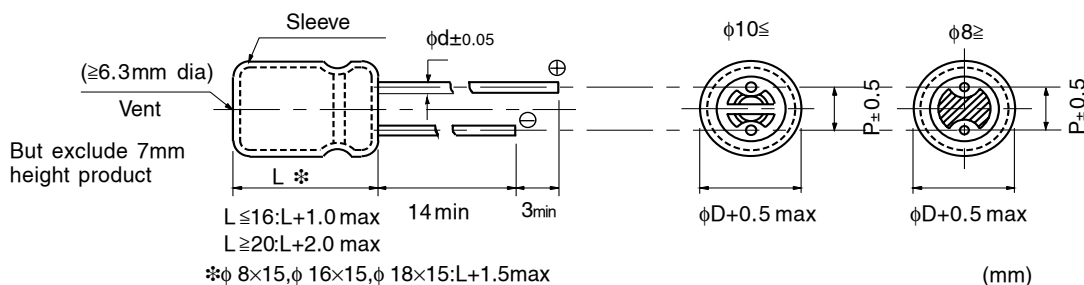
### ■ Specifications

|                                                             |                                                                                                                                                                                                                                                                                                                                                                    |      |                                    |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|------------------------------------|------|------|------|------|------|------|---------|-----|----|----|----|----|----|----|-----|-------|------|------|------|------|------|------|------|------|
| Category temp. range                                        | -55 to + 105°C                                                                                                                                                                                                                                                                                                                                                     |      |                                    |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
| Rated W.V. Range                                            | 6.3 to 100 V .DC                                                                                                                                                                                                                                                                                                                                                   |      |                                    |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
| Nominal Cap. Range                                          | 1.0 to 15000 μ F                                                                                                                                                                                                                                                                                                                                                   |      |                                    |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
| Capacitance Tolerance                                       | ±20 % (120Hz/+20°C)                                                                                                                                                                                                                                                                                                                                                |      |                                    |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
| DC Leakage Current                                          | I ≤ 0.01 CV or 3(μ A)<br>after 2 minues application of rated working voltage at +20°C (Whichever is greater)                                                                                                                                                                                                                                                       |      |                                    |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
| tan δ                                                       | <table><tr><td>W.V.(V)</td><td>6.3</td><td>10</td><td>16</td><td>25</td><td>35</td><td>50</td><td>63</td><td>100</td></tr><tr><td>tan δ</td><td>0.22</td><td>0.19</td><td>0.16</td><td>0.14</td><td>0.12</td><td>0.10</td><td>0.08</td><td>0.07</td></tr></table>                                                                                                  |      |                                    |      |      |      |      |      |      | W.V.(V) | 6.3 | 10 | 16 | 25 | 35 | 50 | 63 | 100 | tan δ | 0.22 | 0.19 | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.07 |
|                                                             | W.V.(V)                                                                                                                                                                                                                                                                                                                                                            | 6.3  | 10                                 | 16   | 25   | 35   | 50   | 63   | 100  |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
|                                                             | tan δ                                                                                                                                                                                                                                                                                                                                                              | 0.22 | 0.19                               | 0.16 | 0.14 | 0.12 | 0.10 | 0.08 | 0.07 |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
| For capacitance value > 1000μF, add 0.02 per every 1000 μF. |                                                                                                                                                                                                                                                                                                                                                                    |      |                                    |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
| Endurance                                                   | After following life test with DC voltage and +105±2°C ripple current value applied (The sum of DC and ripple peak voltage shall not exceed the rated working voltage), the capacitors shall meet the limits specified bellow.<br>Duration : 1000 hours (φ4 to 6.3), 2000hours (φ8), 3000 hours (φ10), 5000 hours (φ12.5 to 18)<br>Post test requirement at +20 °C |      |                                    |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
|                                                             | Capacitance change                                                                                                                                                                                                                                                                                                                                                 |      | ±20% of initial measured value     |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
|                                                             | tan δ                                                                                                                                                                                                                                                                                                                                                              |      | ≤ 200 % of initial specified value |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
|                                                             | DC leakage current                                                                                                                                                                                                                                                                                                                                                 |      | ≤ initial specified value          |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |
| Shelf Life                                                  | After storage for 1000 hours at +105±2 °C with no voltage applied and then being stabilized at +20 °C, capacitor shall meet the limits specified in Endurance. (With voltage treatment)                                                                                                                                                                            |      |                                    |      |      |      |      |      |      |         |     |    |    |    |    |    |    |     |       |      |      |      |      |      |      |      |      |

### ■ Frequency correction factor for ripple current

| W.V.(V.DC) | Capacitance (μF) | Frequency(Hz) |      |      |      |      |
|------------|------------------|---------------|------|------|------|------|
|            |                  | 60            | 120  | 1k   | 10k  | 100k |
| 6.3 to 100 | 1.0 to 330       | 0.55          | 0.65 | 0.85 | 0.90 | 1.0  |
|            | 390 to 1000      | 0.70          | 0.75 | 0.90 | 0.95 | 1.0  |
|            | 1200 to 2200     | 0.75          | 0.80 | 0.90 | 0.95 | 1.0  |
|            | 2700 to 15000    | 0.80          | 0.85 | 0.95 | 1.00 | 1.0  |

### ■ Dimensions in mm (not to scale)



|               | L ≥ 11 |     |     |     |     |          |          |     | L=7  |      |      |
|---------------|--------|-----|-----|-----|-----|----------|----------|-----|------|------|------|
| Body Dia. φD  | 4      | 5   | 6.3 | 8   | 10  | 12.5     | 16       | 18  | 4    | 5    | 6.3  |
| Body Length L |        |     |     |     |     | 15 to 25 | 30 to 40 |     |      |      |      |
| Lead Dia. φd  | 0.45   | 0.5 | 0.5 | 0.6 | 0.6 | 0.6      | 0.8      | 0.8 | 0.45 | 0.45 | 0.45 |
| Lead space P  | 1.5    | 2   | 2.5 | 3.5 | 5.0 | 5.0      | 5.0      | 7.5 | 1.5  | 2    | 2.5  |

Design, and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and / or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

Mar.2006

## ■ Case size/ Impedance/ Ripple Current

| W.V(V.DC)<br>Case size<br>(φD×L) | 6.3 V to 35V          |       |                                           | 50V                   |         |                                           | 63V                   |       |                                           | 100V                  |       |                                           |
|----------------------------------|-----------------------|-------|-------------------------------------------|-----------------------|---------|-------------------------------------------|-----------------------|-------|-------------------------------------------|-----------------------|-------|-------------------------------------------|
|                                  | Impedance<br>Ω/100kHz |       | Ripple<br>Current<br>mA r.m.s<br>/100 kHz | Impedance<br>Ω/100kHz |         | Ripple<br>Current<br>mA r.m.s<br>/100 kHz | Impedance<br>Ω/100kHz |       | Ripple<br>Current<br>mA r.m.s<br>/100 kHz | Impedance<br>Ω/100kHz |       | Ripple<br>Current<br>mA r.m.s<br>/100 kHz |
|                                  | 20°C                  | -10°C |                                           | 20°C                  | -10°C   |                                           | 20°C                  | -10°C |                                           | 20°C                  | -10°C |                                           |
| 4 × 7                            | 2.00                  | 5.00  | 65                                        |                       |         |                                           |                       |       |                                           |                       |       |                                           |
| 5 × 7                            | 0.950                 | 2.40  | 120                                       |                       |         |                                           |                       |       |                                           |                       |       |                                           |
| 6.3 × 7                          | 0.450                 | 1.20  | 200                                       |                       |         |                                           |                       |       |                                           |                       |       |                                           |
| 4 × 11                           | 1.30                  | 2.60  | 120                                       | 2.50                  | 5.00    | 90                                        | 3.50                  | 7.00  | 80                                        |                       |       |                                           |
| 5 × 11                           | 0.800                 | 1.60  | 175                                       | 2.40 *1               | 4.80 *1 | *3                                        | 2.00                  | 4.00  | 145                                       | 4.10                  | 8.20  | 80                                        |
|                                  |                       |       |                                           | *2,*3                 | *2,*3   | *3                                        |                       |       |                                           |                       |       |                                           |
| 5 × 15                           | 0.500                 | 1.00  | 235                                       | 0.900                 | 1.80    | 215                                       | 1.30                  | 2.60  | 200                                       | 2.80                  | 5.60  | 90                                        |
| 6.3 × 11.2                       | 0.350                 | 0.700 | 290                                       | 0.600                 | 1.20    | 260                                       | 1.00                  | 2.00  | 240                                       | 1.80                  | 3.60  | 114                                       |
| 6.3 × 15                         | 0.250                 | 0.500 | 400                                       | 0.400                 | 0.800   | 360                                       | 0.700                 | 1.40  | 330                                       | 1.10                  | 2.20  | 155                                       |
| 8 × 11.5                         | 0.117                 | 0.234 | 555                                       | 0.234                 | 0.468   | 485                                       | 0.342                 | 0.684 | 405                                       | 0.680                 | 1.36  | 260                                       |
| 8 × 15                           | 0.085                 | 0.170 | 730                                       | 0.155                 | 0.310   | 635                                       | 0.230                 | 0.460 | 535                                       | 0.450                 | 0.900 | 340                                       |
| 8 × 20                           | 0.065                 | 0.130 | 995                                       | 0.120                 | 0.240   | 860                                       | 0.178                 | 0.356 | 690                                       | 0.330                 | 0.660 | 455                                       |
| 10 × 12.5                        | 0.090                 | 0.180 | 755                                       | 0.162                 | 0.324   | 615                                       | 0.256                 | 0.512 | 535                                       | 0.530                 | 1.06  | 306                                       |
| 10 × 16                          | 0.068                 | 0.136 | 1050                                      | 0.119                 | 0.238   | 850                                       | 0.194                 | 0.388 | 600                                       | 0.360                 | 0.720 | 400                                       |
| 10 × 20                          | 0.052                 | 0.104 | 1220                                      | 0.090                 | 0.180   | 1030                                      | 0.147                 | 0.294 | 885                                       | 0.240                 | 0.480 | 463                                       |
| 10 × 25                          | 0.045                 | 0.090 | 1440                                      | 0.082                 | 0.164   | 1200                                      | 0.130                 | 0.260 | 1050                                      | 0.210                 | 0.420 | 599                                       |
| 10 × 30                          | 0.035                 | 0.070 | 1815                                      | 0.060                 | 0.120   | 1610                                      | 0.090                 | 0.180 | 1300                                      | 0.150                 | 0.300 | 698                                       |
| 12.5 × 15                        | 0.065                 | 0.130 | 1205                                      | 0.110                 | 0.220   | 1150                                      | 0.150                 | 0.300 | 1020                                      | 0.230                 | 0.460 | 511                                       |
| 12.5 × 20                        | 0.038                 | 0.076 | 1655                                      | 0.063                 | 0.126   | 1480                                      | 0.085                 | 0.170 | 1285                                      | 0.180                 | 0.360 | 671                                       |
| 12.5 × 25                        | 0.030                 | 0.060 | 1945                                      | 0.050                 | 0.100   | 1832                                      | 0.070                 | 0.140 | 1720                                      | 0.110                 | 0.220 | 807                                       |
| 12.5 × 30                        | 0.025                 | 0.050 | 2310                                      | 0.040                 | 0.080   | 2215                                      | 0.055                 | 0.110 | 2090                                      | 0.098                 | 0.196 | 937                                       |
| 12.5 × 35                        | 0.022                 | 0.044 | 2510                                      | 0.034                 | 0.068   | 2285                                      | 0.047                 | 0.094 | 2265                                      | 0.087                 | 0.174 | 1040                                      |
| 12.5 × 40                        | 0.018                 | 0.036 | 2655                                      | 0.030                 | 0.060   | 2590                                      | 0.042                 | 0.084 | 2560                                      | 0.072                 | 0.144 | 1130                                      |
| 16 × 15                          | 0.043                 | 0.086 | 1690                                      | 0.080                 | 0.160   | 1610                                      | 0.090                 | 0.180 | 1410                                      | 0.140                 | 0.280 | 793                                       |
| 16 × 20                          | 0.029                 | 0.058 | 2205                                      | 0.048                 | 0.096   | 1835                                      | 0.059                 | 0.118 | 1765                                      | 0.110                 | 0.220 | 995                                       |
| 16 × 25                          | 0.022                 | 0.044 | 2555                                      | 0.034                 | 0.068   | 2235                                      | 0.050                 | 0.100 | 2160                                      | 0.089                 | 0.178 | 1170                                      |
| 16 × 31.5                        | 0.018                 | 0.036 | 3010                                      | 0.028                 | 0.056   | 2700                                      | 0.043                 | 0.086 | 2670                                      | 0.062                 | 0.124 | 1520                                      |
| 16 × 35.5                        | 0.016                 | 0.032 | 3150                                      | 0.025                 | 0.050   | 2790                                      | 0.036                 | 0.072 | 2770                                      | 0.053                 | 0.106 | 1730                                      |
| 16 × 40                          | 0.015                 | 0.030 | 3360                                      | 0.023                 | 0.046   | 2845                                      | 0.030                 | 0.060 | 2825                                      | 0.047                 | 0.094 | 1920                                      |
| 18 × 15                          | 0.038                 | 0.076 | 2000                                      | 0.068                 | 0.136   | 1900                                      | 0.086                 | 0.172 | 1690                                      | 0.120                 | 0.240 | 917                                       |
| 18 × 20                          | 0.028                 | 0.056 | 2490                                      | 0.042                 | 0.084   | 2420                                      | 0.055                 | 0.110 | 2290                                      | 0.080                 | 0.160 | 1230                                      |
| 18 × 25                          | 0.020                 | 0.040 | 2740                                      | 0.029                 | 0.058   | 2610                                      | 0.043                 | 0.086 | 2585                                      | 0.070                 | 0.140 | 1420                                      |
| 18 × 31.5                        | 0.016                 | 0.032 | 3635                                      | 0.025                 | 0.050   | 3000                                      | 0.032                 | 0.064 | 2950                                      | 0.062                 | 0.124 | 1600                                      |
| 18 × 35.5                        | 0.015                 | 0.030 | 3680                                      | 0.023                 | 0.046   | 3100                                      | 0.030                 | 0.060 | 3095                                      | 0.041                 | 0.082 | 1770                                      |
| 18 × 40                          | 0.014                 | 0.028 | 3735                                      | -                     | -       | -                                         | 0.025                 | 0.050 | 3205                                      | 0.036                 | 0.072 | 2300                                      |

\*1; Apply to 1μF

\*2; Apply to 2.2, 3.3, 4.7, 10L, 12, 18, and 22μF

\*3

| Case size<br>φ D×L (mm) | Capacitance<br>(μF) | Impedance Ω/100kHz |       | Ripple Current<br>mA r.m.s<br>/100 kHz |
|-------------------------|---------------------|--------------------|-------|----------------------------------------|
|                         |                     | 20°C               | -10°C |                                        |
| 5 × 11                  | 1.0                 | 2.40               | 4.80  | 20                                     |
|                         | 2.2                 | 1.80               | 3.60  | 45                                     |
|                         | 3.3                 | 1.30               | 2.60  | 65                                     |
|                         | 4.7                 | 1.30               | 2.60  | 95                                     |
|                         | 10L                 | 1.30               | 2.60  | 125                                    |
|                         | 12                  | 1.30               | 2.60  | 135                                    |
|                         | 15                  | 1.30               | 2.60  | 145                                    |
|                         | 18                  | 1.30               | 2.60  | 155                                    |
|                         | 22                  | 1.30               | 2.60  | 155                                    |

## ■ Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                     |                                              |                           | Lead Length  |            |              |              | Part No.       | Min.Packaging Q' ty |        |
|------|----------------|-----------|--------|---------------------------------------------------|----------------------------------------------|---------------------------|--------------|------------|--------------|--------------|----------------|---------------------|--------|
|      |                | Dia.      | Length | Ripple<br>current<br>(100kHz)<br>(+105°C)<br>(mA) | Imped-<br>ance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia. | Lead Space |              |              |                | Straight<br>Leads   | Taping |
|      |                |           |        |                                                   |                                              |                           |              | Straight   | Taping<br>*B | Taping<br>*H |                |                     |        |
| (V)  | (μF)           | (mm)      | (mm)   | (mA)                                              | (Ω)                                          | (hours)                   | (mm)         | (mm)       | (mm)         | (mm)         |                | (pcs)               | (pcs)  |
| 6.3  | 27             | 4         | 7      | 65                                                | 2.00                                         | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEAFC0J270( )  | 200                 | 2000   |
|      | 56             | 5         | 7      | 120                                               | 0.950                                        | 1000                      | 0.45         | 2.0        | 5.0          | 2.5          | EEAFC0J560( )  | 200                 | 2000   |
|      | 68             | 4         | 11     | 120                                               | 1.30                                         | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEUFC0J680( )  | 200                 | 2000   |
|      | 100            | 5         | 11     | 175                                               | 0.800                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC0J101( )  | 200                 | 2000   |
|      | 120            | 6.3       | 7      | 200                                               | 0.450                                        | 1000                      | 0.45         | 2.5        | 5.0          | 2.5          | EEAFC0J121( )  | 200                 | 2000   |
|      | 150            | 5         | 15     | 235                                               | 0.500                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC0J151( )  | 200                 | 2000   |
|      | 220            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC0J221( )  | 200                 | 2000   |
|      | 270            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC0J271( )  | 200                 | 2000   |
|      | 330            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC0J331S( ) | 200                 | 2000   |
|      |                | 6.3       | 15     | 400                                               | 0.250                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC0J331( )  | 200                 | 2000   |
|      | 390            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC0J391( )  | 200                 | 1000   |
|      | 470            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC0J471( )  | 200                 | 1000   |
|      | 560            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC0J561( )  | 200                 | 1000   |
|      | 820            | 8         | 15     | 730                                               | 0.085                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC0J821L( ) | 200                 | 1000   |
|      |                | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J821( )  | 200                 | 500    |
|      | 1000           | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J102( )  | 200                 | 500    |
|      | 1200           | 8         | 20     | 995                                               | 0.065                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC0J122L( ) | 200                 | 1000   |
|      |                | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J122( )  | 200                 | 500    |
|      | 1500           | 10        | 20     | 1220                                              | 0.052                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J152( )  | 200                 | 500    |
|      |                | 12.5      | 15     | 1205                                              | 0.065                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J152S( ) | 200                 | 500    |
|      | 1800           | 10        | 25     | 1440                                              | 0.045                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J182( )  | 200                 | 500    |
|      | 2200           | 10        | 25     | 1440                                              | 0.045                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J222( )  | 200                 | 500    |
|      |                | 16        | 15     | 1690                                              | 0.043                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J222S( ) | 100                 | 250    |
|      | 2700           | 10        | 30     | 1815                                              | 0.035                                        | 3000                      | 0.60         | 5.0        |              |              | EEUFC0J272L    | 100                 |        |
|      |                | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J272( )  | 200                 | 500    |
|      |                | 16        | 15     | 1690                                              | 0.043                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J272S( ) | 100                 | 250    |
|      | 3300           | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J332( )  | 200                 | 500    |
|      |                | 18        | 15     | 2000                                              | 0.038                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J332S( ) | 100                 | 250    |
|      | 3900           | 12.5      | 25     | 1945                                              | 0.030                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC0J392( )  | 200                 | 500    |
|      | 4700           | 12.5      | 30     | 2310                                              | 0.025                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC0J472     | 100                 |        |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J472S( ) | 100                 | 250    |
|      | 5600           | 12.5      | 35     | 2510                                              | 0.022                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC0J562L    | 100                 |        |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J562( )  | 100                 | 250    |
|      | 6800           | 12.5      | 40     | 2655                                              | 0.018                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC0J682L    | 100                 |        |
|      |                | 16        | 25     | 2555                                              | 0.022                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J682( )  | 100                 | 250    |
|      |                | 18        | 20     | 2490                                              | 0.028                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J682S( ) | 100                 | 250    |
|      | 8200           | 16        | 31.5   | 3010                                              | 0.018                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC0J822     | 100                 |        |
|      | 10000          | 16        | 35.5   | 3150                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC0J103     | 100                 |        |
|      |                | 18        | 25     | 2740                                              | 0.020                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC0J103S( ) | 100                 | 250    |
|      | 12000          | 16        | 40     | 3360                                              | 0.015                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC0J123L    | 100                 |        |
|      |                | 18        | 31.5   | 3635                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC0J123     | 50                  |        |
|      | 15000          | 18        | 35.5   | 3680                                              | 0.015                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC0J153     | 50                  |        |
| 10   | 22             | 4         | 7      | 65                                                | 2.00                                         | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEAFC1A220( )  | 200                 | 2000   |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5mm, 7.5mm, H=2.5mm. The taping dimensions are explained on p.196 of our Catalog. Please use it as a reference guide.

■ Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                     |                                              |                           | Lead Length  |            |              |              | Part No.       | Min.Packaging Q' ty |        |
|------|----------------|-----------|--------|---------------------------------------------------|----------------------------------------------|---------------------------|--------------|------------|--------------|--------------|----------------|---------------------|--------|
|      |                | Dia.      | Length | Ripple<br>current<br>(100kHz)<br>(+105°C)<br>(mA) | Imped-<br>ance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia. | Lead Space |              |              |                | Straight<br>Leads   | Taping |
|      |                |           |        |                                                   |                                              |                           |              | Straight   | Taping<br>※B | Taping<br>※H |                |                     |        |
| (V)  | (μF)           | (mm)      | (mm)   | (mA)                                              | (Ω)                                          | (hours)                   | (mm)         | (mm)       | (mm)         | (mm)         |                | (pcs)               | (pcs)  |
| 10   | 39             | 5         | 7      | 120                                               | 0.950                                        | 1000                      | 0.45         | 2.0        | 5.0          | 2.5          | EEAFC1A390( )  | 200                 | 2000   |
|      | 47             | 4         | 11     | 120                                               | 1.30                                         | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEUFC1A470( )  | 200                 | 2000   |
|      | 82             | 5         | 11     | 175                                               | 0.800                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1A820( )  | 200                 | 2000   |
|      |                | 6.3       | 7      | 200                                               | 0.450                                        | 1000                      | 0.45         | 2.5        | 5.0          | 2.5          | EEAFC1A820( )  | 200                 | 2000   |
|      | 100            | 5         | 11     | 175                                               | 0.800                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1A101S( ) | 200                 | 2000   |
|      |                | 5         | 15     | 235                                               | 0.500                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1A101( )  | 200                 | 2000   |
|      | 150            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1A151( )  | 200                 | 2000   |
|      | 180            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1A181( )  | 200                 | 2000   |
|      | 220            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1A221S( ) | 200                 | 2000   |
|      |                | 6.3       | 15     | 400                                               | 0.250                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1A221( )  | 200                 | 2000   |
|      | 330            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1A331( )  | 200                 | 1000   |
|      | 390            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1A391( )  | 200                 | 1000   |
|      | 470            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1A471( )  | 200                 | 1000   |
|      | 560            | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1A561( )  | 200                 | 500    |
|      | 680            | 8         | 15     | 730                                               | 0.085                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1A681L( ) | 200                 | 1000   |
|      |                | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1A681( )  | 200                 | 500    |
|      | 820            | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1A821( )  | 200                 | 500    |
|      | 1000           | 8         | 20     | 995                                               | 0.065                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1A102L( ) | 200                 | 1000   |
|      |                | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1A102( )  | 200                 | 500    |
|      | 1200           | 10        | 20     | 1220                                              | 0.052                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1A122( )  | 200                 | 500    |
|      |                | 12.5      | 15     | 1205                                              | 0.065                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1A122S( ) | 200                 | 500    |
|      | 1500           | 10        | 25     | 1440                                              | 0.045                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1A152( )  | 200                 | 500    |
|      | 1800           | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1A182( )  | 200                 | 500    |
|      |                | 16        | 15     | 1690                                              | 0.043                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1A182S( ) | 100                 | 250    |
|      | 2200           | 10        | 30     | 1815                                              | 0.035                                        | 3000                      | 0.60         | 5.0        |              |              | EEUFC1A222L    | 100                 |        |
|      |                | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1A222( )  | 200                 | 500    |
|      | 2700           | 12.5      | 25     | 1945                                              | 0.030                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1A272( )  | 200                 | 500    |
|      |                | 18        | 15     | 2000                                              | 0.038                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1A272S( ) | 100                 | 250    |
|      | 3300           | 12.5      | 30     | 2310                                              | 0.025                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC1A332     | 100                 |        |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1A332S( ) | 100                 | 250    |
|      | 3900           | 12.5      | 35     | 2510                                              | 0.022                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC1A392L    | 100                 |        |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1A392( )  | 100                 | 250    |
|      | 4700           | 12.5      | 40     | 2655                                              | 0.018                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC1A472L    | 100                 |        |
|      |                | 16        | 25     | 2555                                              | 0.022                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1A472( )  | 100                 | 250    |
|      | 5600           | 16        | 25     | 2555                                              | 0.022                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1A562( )  | 100                 | 250    |
|      |                | 18        | 20     | 2490                                              | 0.028                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1A562S( ) | 100                 | 250    |
|      | 6800           | 16        | 31.5   | 3010                                              | 0.018                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC1A682     | 100                 |        |
|      |                | 18        | 25     | 2740                                              | 0.020                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1A682S( ) | 100                 | 250    |
|      | 8200           | 16        | 35.5   | 3150                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC1A822L    | 100                 |        |
|      |                | 18        | 31.5   | 3635                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC1A822     | 50                  |        |
|      | 10000          | 18        | 35.5   | 3680                                              | 0.015                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC1A103     | 50                  |        |
|      | 12000          | 18        | 40     | 3735                                              | 0.014                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC1A123     | 50                  |        |

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## ■ Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                     |                                              |                           | Lead Length  |            |              |              | Part No.       | Min.PackagingQ'ty |        |
|------|----------------|-----------|--------|---------------------------------------------------|----------------------------------------------|---------------------------|--------------|------------|--------------|--------------|----------------|-------------------|--------|
|      |                | Dia.      | Length | Ripple<br>current<br>(100kHz)<br>(+105°C)<br>(mA) | Imped-<br>ance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia. | Lead Space |              |              |                | Straight<br>Leads | Taping |
|      |                |           |        |                                                   |                                              |                           |              | Straight   | Taping<br>*B | Taping<br>*H |                |                   |        |
| (V)  | (μF)           | (mm)      | (mm)   | (mA)                                              | (Ω)                                          | (hours)                   | (mm)         | (mm)       | (mm)         | (mm)         |                | (pcs)             | (pcs)  |
| 16   | 15             | 4         | 7      | 65                                                | 2.00                                         | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEAFC1C150( )  | 200               | 2000   |
|      | 27             | 5         | 7      | 120                                               | 0.950                                        | 1000                      | 0.45         | 2.0        | 5.0          | 2.5          | EEAFC1C270( )  | 200               | 2000   |
|      | 39             | 4         | 11     | 120                                               | 1.30                                         | 1000                      | 0.45         | 1.5        | 5.0          | 2.5          | EEUFC1C390( )  | 200               | 2000   |
|      | 47             | 5         | 11     | 175                                               | 0.800                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1C470( )  | 200               | 2000   |
|      | 56             | 5         | 11     | 175                                               | 0.800                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1C560( )  | 200               | 2000   |
|      |                | 6.3       | 7      | 200                                               | 0.450                                        | 1000                      | 0.45         | 2.5        | 5.0          | 2.5          | EEAFC1C560( )  | 200               | 2000   |
|      | 68             | 5         | 11     | 175                                               | 0.800                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1C680( )  | 200               | 2000   |
|      | 82             | 5         | 15     | 235                                               | 0.500                                        | 1000                      | 0.50         | 2.0        | 5.0          | 2.5          | EEUFC1C820( )  | 200               | 2000   |
|      | 100            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1C101( )  | 200               | 2000   |
|      | 120            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1C121( )  | 200               | 2000   |
|      | 180            | 6.3       | 15     | 400                                               | 0.250                                        | 1000                      | 0.50         | 2.5        | 5.0          | 2.5          | EEUFC1C181( )  | 200               | 2000   |
|      | 220            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1C221( )  | 200               | 1000   |
|      | 270            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1C271( )  | 200               | 1000   |
|      | 330            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1C331( )  | 200               | 1000   |
|      | 390            | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C391( )  | 200               | 500    |
|      | 470            | 8         | 15     | 730                                               | 0.085                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1C471L( ) | 200               | 1000   |
|      |                | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C471( )  | 200               | 500    |
|      | 560            | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C561( )  | 200               | 500    |
|      | 680            | 8         | 20     | 995                                               | 0.065                                        | 2000                      | 0.60         | 3.5        | 5.0          |              | EEUFC1C681L( ) | 200               | 1000   |
|      |                | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C681( )  | 200               | 500    |
|      | 820            | 10        | 20     | 1220                                              | 0.052                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C821( )  | 200               | 500    |
|      |                | 12.5      | 15     | 1205                                              | 0.065                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C821S( ) | 200               | 500    |
|      | 1000           | 10        | 20     | 1220                                              | 0.052                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C102S( ) | 200               | 500    |
|      |                | 10        | 25     | 1440                                              | 0.045                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C102( )  | 200               | 500    |
|      | 1200           | 10        | 25     | 1440                                              | 0.045                                        | 3000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C122( )  | 200               | 500    |
|      |                | 16        | 15     | 1690                                              | 0.043                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C122S( ) | 100               | 250    |
|      | 1500           | 10        | 30     | 1815                                              | 0.035                                        | 3000                      | 0.60         | 5.0        |              |              | EEUFC1C152L    | 100               |        |
|      |                | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C152( )  | 200               | 500    |
|      |                | 16        | 15     | 1690                                              | 0.043                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C152S( ) | 100               | 250    |
|      | 1800           | 12.5      | 25     | 1945                                              | 0.030                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C182( )  | 200               | 500    |
|      |                | 18        | 15     | 2000                                              | 0.038                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C182S( ) | 100               | 250    |
|      | 2200           | 12.5      | 25     | 1945                                              | 0.030                                        | 5000                      | 0.60         | 5.0        | 5.0          |              | EEUFC1C222( )  | 200               | 500    |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C222S( ) | 100               | 250    |
|      | 2700           | 12.5      | 30     | 2310                                              | 0.025                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC1C272L    | 100               |        |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C272( )  | 100               | 250    |
|      | 3300           | 12.5      | 35     | 2510                                              | 0.022                                        | 5000                      | 0.80         | 5.0        |              |              | EEUFC1C332     | 100               |        |
|      |                | 18        | 20     | 2490                                              | 0.028                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C332S( ) | 100               | 250    |
|      | 3900           | 16        | 25     | 2555                                              | 0.022                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C392( )  | 100               | 250    |
|      | 18             | 20        | 2490   | 0.0285                                            | 5000                                         | 0.80                      | 7.5          | 7.5        |              |              | EEUFC1C392S( ) | 100               | 250    |
|      | 4700           | 16        | 31.5   | 3010                                              | 0.018                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC1C472     | 100               |        |
|      |                | 18        | 25     | 2740                                              | 0.020                                        | 5000                      | 0.80         | 7.5        | 7.5          |              | EEUFC1C472S( ) | 100               | 250    |
|      | 5600           | 16        | 35.5   | 3150                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC1C562L    | 100               |        |
|      |                | 18        | 31.5   | 3635                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |              |              | EEUFC1C562     | 50                |        |

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■ Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                     |                                              |                           | Lead Length  |            |                      |                      | Part No.       | Min.Packaging Q' ty |        |
|------|----------------|-----------|--------|---------------------------------------------------|----------------------------------------------|---------------------------|--------------|------------|----------------------|----------------------|----------------|---------------------|--------|
|      |                | Dia.      | Length | Ripple<br>current<br>(100kHz)<br>(+105°C)<br>(mA) | Imped-<br>ance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia. | Lead Space |                      |                      |                | Straight<br>Leads   | Taping |
|      |                |           |        |                                                   |                                              |                           |              | Straight   | Taping<br>*B<br>(mm) | Taping<br>*H<br>(mm) |                |                     |        |
| (V)  | (μF)           | (mm)      | (mm)   |                                                   |                                              |                           | (mm)         | (mm)       | (mm)                 | (mm)                 |                | (pcs)               | (pcs)  |
| 16   | 6800           | 16        | 40     | 3360                                              | 0.015                                        | 5000                      | 0.80         | 7.5        |                      |                      | EEUFC1C682     | 100                 |        |
|      | 8200           | 18        | 35.5   | 3680                                              | 0.015                                        | 5000                      | 0.80         | 7.5        |                      |                      | EEUFC1C822     | 50                  |        |
| 25   | 10             | 4         | 7      | 65                                                | 2.00                                         | 1000                      | 0.45         | 1.5        | 5.0                  | 2.5                  | EEAFC1E100( )  | 200                 | 2000   |
|      | 22             | 5         | 7      | 120                                               | 0.950                                        | 1000                      | 0.45         | 2.0        | 5.0                  | 2.5                  | EEAFC1E220( )  | 200                 | 2000   |
|      | 27             | 4         | 11     | 120                                               | 1.30                                         | 1000                      | 0.45         | 1.5        | 5.0                  | 2.5                  | EEUFC1E270( )  | 200                 | 2000   |
|      | 39             | 5         | 11     | 175                                               | 0.800                                        | 1000                      | 0.50         | 2.0        | 5.0                  | 2.5                  | EEUFC1E390( )  | 200                 | 2000   |
|      |                | 6.3       | 7      | 200                                               | 0.450                                        | 1000                      | 0.45         | 2.5        | 5.0                  | 2.5                  | EEAFC1E390( )  | 200                 | 2000   |
|      | 47             | 5         | 11     | 175                                               | 0.800                                        | 1000                      | 0.50         | 2.0        | 5.0                  | 2.5                  | EEUFC1E470( )  | 200                 | 2000   |
|      | 56             | 5         | 15     | 235                                               | 0.500                                        | 1000                      | 0.50         | 2.0        | 5.0                  | 2.5                  | EEUFC1E560( )  | 200                 | 2000   |
|      | 82             | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0                  | 2.5                  | EEUFC1E820( )  | 200                 | 2000   |
|      | 100            | 6.3       | 11.2   | 290                                               | 0.350                                        | 1000                      | 0.50         | 2.5        | 5.0                  | 2.5                  | EEUFC1E101S( ) | 200                 | 2000   |
|      | 120            | 6.3       | 15     | 400                                               | 0.250                                        | 1000                      | 0.50         | 2.5        | 5.0                  | 2.5                  | EEUFC1E121( )  | 200                 | 2000   |
|      | 180            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0                  |                      | EEUFC1E181( )  | 200                 | 1000   |
|      | 220            | 8         | 11.5   | 555                                               | 0.117                                        | 2000                      | 0.60         | 3.5        | 5.0                  |                      | EEUFC1E221( )  | 200                 | 1000   |
|      | 270            | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E271( )  | 200                 | 500    |
|      | 330            | 8         | 15     | 730                                               | 0.085                                        | 2000                      | 0.60         | 3.5        | 5.0                  |                      | EEUFC1E331L( ) | 200                 | 1000   |
|      |                | 10        | 12.5   | 755                                               | 0.090                                        | 3000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E331( )  | 200                 | 500    |
|      | 390            | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E391( )  | 200                 | 500    |
|      | 470            | 8         | 20     | 995                                               | 0.065                                        | 2000                      | 0.60         | 3.5        | 5.0                  |                      | EEUFC1E471L( ) | 200                 | 1000   |
|      |                | 10        | 16     | 1050                                              | 0.068                                        | 3000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E471( )  | 200                 | 500    |
|      | 560            | 10        | 20     | 1220                                              | 0.052                                        | 3000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E561( )  | 200                 | 500    |
|      |                | 12.5      | 15     | 1205                                              | 0.065                                        | 5000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E561S( ) | 200                 | 500    |
|      | 680            | 10        | 20     | 1220                                              | 0.052                                        | 3000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E681( )  | 200                 | 500    |
|      | 820            | 10        | 25     | 1440                                              | 0.045                                        | 3000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E821( )  | 200                 | 500    |
|      |                | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E821S( ) | 200                 | 500    |
|      | 1000           | 10        | 30     | 1815                                              | 0.035                                        | 3000                      | 0.60         | 5.0        |                      |                      | EEUFC1E102L    | 100                 |        |
|      |                | 12.5      | 20     | 1655                                              | 0.038                                        | 5000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E102( )  | 200                 | 500    |
|      |                | 16        | 15     | 1690                                              | 0.043                                        | 5000                      | 0.80         | 7.5        | 7.5                  |                      | EEUFC1E102S( ) | 100                 | 250    |
|      | 1200           | 12.5      | 25     | 1945                                              | 0.030                                        | 5000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E122( )  | 200                 | 500    |
|      |                | 18        | 15     | 2000                                              | 0.038                                        | 5000                      | 0.80         | 7.5        | 7.5                  |                      | EEUFC1E122S( ) | 100                 | 250    |
|      | 1500           | 12.5      | 25     | 1945                                              | 0.030                                        | 5000                      | 0.60         | 5.0        | 5.0                  |                      | EEUFC1E152( )  | 200                 | 500    |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5                  |                      | EEUFC1E152S( ) | 100                 | 250    |
|      | 1800           | 12.5      | 30     | 2310                                              | 0.025                                        | 5000                      | 0.80         | 5.0        |                      |                      | EEUFC1E182L    | 100                 |        |
|      |                | 16        | 20     | 2205                                              | 0.029                                        | 5000                      | 0.80         | 7.5        | 7.5                  |                      | EEUFC1E182( )  | 100                 | 250    |
|      | 2200           | 12.5      | 35     | 2510                                              | 0.022                                        | 5000                      | 0.80         | 5.0        |                      |                      | EEUFC1E222     | 100                 |        |
|      |                | 18        | 20     | 2490                                              | 0.028                                        | 5000                      | 0.80         | 7.5        | 7.5                  |                      | EEUFC1E222S( ) | 100                 | 250    |
|      | 2700           | 16        | 25     | 2555                                              | 0.022                                        | 5000                      | 0.80         | 7.5        | 7.5                  |                      | EEUFC1E272( )  | 100                 | 250    |
|      | 3300           | 16        | 31.5   | 3010                                              | 0.018                                        | 5000                      | 0.80         | 7.5        |                      |                      | EEUFC1E332     | 100                 |        |
|      |                | 18        | 25     | 2740                                              | 0.020                                        | 5000                      | 0.80         | 7.5        | 7.5                  |                      | EEUFC1E332S( ) | 100                 | 250    |
|      | 3900           | 16        | 35.5   | 3150                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |                      |                      | EEUFC1E392L    | 100                 |        |
|      |                | 18        | 31.5   | 3635                                              | 0.016                                        | 5000                      | 0.80         | 7.5        |                      |                      | EEUFC1E392     | 50                  |        |
|      | 4700           | 18        | 35.5   | 3680                                              | 0.015                                        | 5000                      | 0.80         | 7.5        |                      |                      | EEUFC1E472     | 50                  |        |
|      | 5600           | 18        | 40     | 3735                                              | 0.014                                        | 5000                      | 0.80         | 7.5        |                      |                      | EEUFC1E562     | 50                  |        |

When requesting taped product, please put the letter "B" or "H" between the "( )". Lead wire pitch B=5mm, 7.5mm, H=2.5mm. The taping dimensions are explained on p.196 of our Catalog. Please use it as a reference guide.

■ Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                  |                                         |                      | Lead Length |            |              |              | Part No.       | Min. Packaging Q' ty |        |
|------|----------------|-----------|--------|------------------------------------------------|-----------------------------------------|----------------------|-------------|------------|--------------|--------------|----------------|----------------------|--------|
|      |                | Dia.      | Length | Ripple current<br>(100kHz)<br>(+105°C)<br>(mA) | Impedance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.   | Lead Space |              |              |                | Straight Leads       | Taping |
|      |                |           |        |                                                |                                         |                      |             | Straight   | Taping<br>※B | Taping<br>※H |                |                      |        |
| (V)  | (μF)           | (mm)      | (mm)   | (mA)                                           | (Ω)                                     | (hours)              | (mm)        | (mm)       | (mm)         | (mm)         |                | (pcs)                | (pcs)  |
| 35   | 6.8            | 4         | 7      | 65                                             | 2.000                                   | 1000                 | 0.45        | 1.5        | 5.0          | 2.5          | EEAFC1V6R8( )  | 200                  | 2000   |
|      | 12             | 5         | 7      | 120                                            | 0.950                                   | 1000                 | 0.45        | 2.0        | 5.0          | 2.5          | EEAFC1V120( )  | 200                  | 2000   |
|      | 18             | 4         | 11     | 120                                            | 1.300                                   | 1000                 | 0.45        | 1.5        | 5.0          | 2.5          | EEUFC1V180( )  | 200                  | 2000   |
|      | 22             | 5         | 11     | 175                                            | 0.800                                   | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1V220( )  | 200                  | 2000   |
|      | 27             | 5         | 11     | 175                                            | 0.800                                   | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1V270( )  | 200                  | 2000   |
|      |                | 6.3       | 7      | 200                                            | 0.450                                   | 1000                 | 0.45        | 2.5        | 5.0          | 2.5          | EEAFC1V270( )  | 200                  | 2000   |
|      | 33             | 5         | 11     | 175                                            | 0.080                                   | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1V330( )  | 200                  | 2000   |
|      | 39             | 5         | 15     | 235                                            | 0.500                                   | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1V390( )  | 200                  | 2000   |
|      | 47             | 6.3       | 11.2   | 290                                            | 0.350                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1V470( )  | 200                  | 2000   |
|      | 56             | 6.3       | 11.2   | 290                                            | 0.350                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1V560( )  | 200                  | 2000   |
|      | 68             | 6.3       | 11.2   | 290                                            | 0.350                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1V680( )  | 200                  | 2000   |
|      | 82             | 6.3       | 15     | 400                                            | 0.250                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1V820( )  | 200                  | 2000   |
|      | 100            | 8         | 11.5   | 555                                            | 0.117                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1V101( )  | 200                  | 1000   |
|      | 120            | 8         | 11.5   | 555                                            | 0.117                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1V121( )  | 200                  | 1000   |
|      | 150            | 8         | 11.5   | 555                                            | 0.117                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1V151( )  | 200                  | 1000   |
|      | 180            | 10        | 12.5   | 755                                            | 0.090                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V181( )  | 200                  | 500    |
|      | 220            | 8         | 15     | 730                                            | 0.085                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1V221L( ) | 200                  | 1000   |
|      |                | 10        | 12.5   | 755                                            | 0.090                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V221( )  | 200                  | 500    |
|      | 270            | 10        | 16     | 1050                                           | 0.068                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V271( )  | 200                  | 500    |
|      | 330            | 8         | 20     | 995                                            | 0.065                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1V331L( ) | 200                  | 1000   |
|      |                | 10        | 16     | 1050                                           | 0.068                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V331( )  | 200                  | 500    |
|      | 390            | 10        | 20     | 1220                                           | 0.052                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V391( )  | 200                  | 500    |
|      |                | 12.5      | 15     | 1205                                           | 0.065                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V391S( ) | 200                  | 500    |
|      | 470            | 10        | 20     | 1220                                           | 0.052                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V471( )  | 200                  | 500    |
|      | 560            | 10        | 25     | 1440                                           | 0.045                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V561( )  | 200                  | 500    |
|      |                | 12.5      | 20     | 1655                                           | 0.038                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V561S( ) | 200                  | 500    |
|      | 680            | 10        | 30     | 1815                                           | 0.035                                   | 3000                 | 0.60        | 5.0        |              |              | EEUFC1V681L    | 100                  |        |
|      |                | 12.5      | 20     | 1655                                           | 0.038                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V681( )  | 200                  | 500    |
|      |                | 16        | 15     | 1690                                           | 0.043                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V681S( ) | 100                  | 250    |
|      | 820            | 12.5      | 25     | 1945                                           | 0.030                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V821L( ) | 200                  | 500    |
|      |                | 18        | 15     | 2000                                           | 0.038                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V821( )  | 100                  | 250    |
|      | 1000           | 12.5      | 25     | 1945                                           | 0.030                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1V102( )  | 200                  | 500    |
|      |                | 16        | 20     | 2205                                           | 0.029                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V102S( ) | 100                  | 250    |
|      | 1200           | 12.5      | 30     | 2310                                           | 0.025                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1V122L    | 100                  |        |
|      |                | 16        | 20     | 2205                                           | 0.029                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V122( )  | 100                  | 250    |
|      | 1500           | 12.5      | 35     | 2510                                           | 0.022                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1V152L    | 100                  |        |
|      |                | 16        | 25     | 2555                                           | 0.022                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V152( )  | 100                  | 250    |
|      |                | 18        | 20     | 2490                                           | 0.028                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V152S( ) | 100                  | 250    |
|      | 1800           | 12.5      | 40     | 2655                                           | 0.018                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1V182L    | 100                  |        |
|      |                | 16        | 25     | 2555                                           | 0.022                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V182( )  | 100                  | 250    |
|      |                | 18        | 20     | 2490                                           | 0.028                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V182S( ) | 100                  | 250    |
|      | 2200           | 16        | 31.5   | 3010                                           | 0.018                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1V222     | 100                  |        |
|      |                | 18        | 25     | 2740                                           | 0.020                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1V222S( ) | 100                  | 250    |

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■ Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                  |                                         |                      | Lead Length |            |              |              | Part No.       | Min.PackagingQ' ty |        |
|------|----------------|-----------|--------|------------------------------------------------|-----------------------------------------|----------------------|-------------|------------|--------------|--------------|----------------|--------------------|--------|
|      |                | Dia.      | Length | Ripple current<br>(100kHz)<br>(+105°C)<br>(mA) | Impedance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endurance<br>(hours) | Lead Dia.   | Lead Space |              |              |                | Straight Leads     | Taping |
|      |                |           |        |                                                |                                         |                      |             | Straight   | Taping<br>*B | Taping<br>*H |                |                    |        |
| (V)  | (μF)           | (mm)      | (mm)   | (mA)                                           | (Ω)                                     | (hours)              | (mm)        | (mm)       | (mm)         | (mm)         |                | (pcs)              | (pcs)  |
| 35   | 2700           | 16        | 35.5   | 3150                                           | 0.016                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1V272L    | 100                |        |
|      |                | 18        | 31.5   | 3635                                           | 0.016                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1V272     | 50                 |        |
|      | 3300           | 18        | 35.5   | 3680                                           | 0.015                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1V332     | 50                 |        |
|      | 3900           | 18        | 40     | 3735                                           | 0.014                                   | 5000                 | 0.80        | 7.5        |              |              | EEUFC1V392     | 50                 |        |
| 50   | 1.0            | 5         | 11     | 20                                             | 2.40                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1H1R0( )  | 200                | 2000   |
|      | 2.2            | 5         | 11     | 45                                             | 1.80                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1H2R2( )  | 200                | 2000   |
|      | 3.3            | 5         | 11     | 65                                             | 1.30                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1H3R3( )  | 200                | 2000   |
|      | 4.7            | 5         | 11     | 95                                             | 1.30                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1H4R7( )  | 200                | 2000   |
|      | 10             | 4         | 11     | 90                                             | 2.50                                    | 1000                 | 0.45        | 1.5        | 5.0          | 2.5          | EEUFC1H100( )  | 200                | 2000   |
|      |                | 5         | 11     | 125                                            | 1.30                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1H100L( ) | 200                | 2000   |
|      | 12             | 5         | 11     | 135                                            | 1.30                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1H120( )  | 200                | 2000   |
|      | 15             | 5         | 11     | 145                                            | 1.30                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1H150( )  | 200                | 2000   |
|      | 18             | 5         | 11     | 155                                            | 1.30                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1H180( )  | 200                | 2000   |
|      | 22             | 5         | 11     | 155                                            | 1.30                                    | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1H220( )  | 200                | 2000   |
|      | 27             | 5         | 15     | 215                                            | 0.900                                   | 1000                 | 0.50        | 2.0        | 5.0          | 2.5          | EEUFC1H270( )  | 200                | 2000   |
|      | 33             | 6.3       | 11.2   | 260                                            | 0.600                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1H330( )  | 200                | 2000   |
|      | 39             | 6.3       | 11.2   | 260                                            | 0.600                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1H390( )  | 200                | 2000   |
|      | 47             | 6.3       | 11.2   | 260                                            | 0.600                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1H470( )  | 200                | 2000   |
|      | 56             | 6.3       | 15     | 360                                            | 0.400                                   | 1000                 | 0.50        | 2.5        | 5.0          | 2.5          | EEUFC1H560( )  | 200                | 2000   |
|      | 68             | 8         | 11.5   | 485                                            | 0.234                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1H680( )  | 200                | 1000   |
|      | 82             | 8         | 11.5   | 485                                            | 0.234                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1H820( )  | 200                | 1000   |
|      | 100            | 10        | 12.5   | 615                                            | 0.162                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1H101( )  | 200                | 500    |
|      | 120            | 8         | 15     | 635                                            | 0.155                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1H121L( ) | 200                | 1000   |
|      |                | 10        | 12.5   | 615                                            | 0.162                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1H121( )  | 200                | 500    |
|      | 150            | 10        | 16     | 850                                            | 0.119                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1H151( )  | 200                | 500    |
|      | 180            | 8         | 20     | 860                                            | 0.120                                   | 2000                 | 0.60        | 3.5        | 5.0          |              | EEUFC1H181L( ) | 200                | 1000   |
|      |                | 10        | 16     | 850                                            | 0.119                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1H181( )  | 200                | 500    |
|      | 220            | 10        | 20     | 1030                                           | 0.090                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1H221( )  | 200                | 500    |
|      |                | 12.5      | 15     | 1150                                           | 0.110                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1H221S( ) | 200                | 500    |
|      | 270            | 10        | 25     | 1200                                           | 0.082                                   | 3000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1H271( )  | 200                | 500    |
|      | 330            | 10        | 30     | 1610                                           | 0.060                                   | 3000                 | 0.60        | 5.0        |              |              | EEUFC1H331L    | 100                |        |
|      |                | 12.5      | 20     | 1480                                           | 0.063                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1H331( )  | 200                | 500    |
|      | 390            | 12.5      | 20     | 1480                                           | 0.063                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1H391( )  | 200                | 500    |
|      |                | 16        | 15     | 1610                                           | 0.080                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1H391S( ) | 100                | 250    |
|      | 470            | 10        | 30     | 1610                                           | 0.060                                   | 3000                 | 0.60        | 5.0        |              |              | EEUFC1H471L    | 100                |        |
|      |                | 12.5      | 25     | 1832                                           | 0.050                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1H471( )  | 200                | 500    |
|      | 560            | 12.5      | 25     | 1832                                           | 0.050                                   | 5000                 | 0.60        | 5.0        | 5.0          |              | EEUFC1H561( )  | 200                | 500    |
|      |                | 18        | 15     | 1900                                           | 0.068                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1H561S( ) | 100                | 250    |
|      | 680            | 12.5      | 30     | 2215                                           | 0.040                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1H681L    | 100                |        |
|      |                | 16        | 20     | 1835                                           | 0.048                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1H681( )  | 100                | 250    |
|      | 820            | 12.5      | 35     | 2285                                           | 0.034                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1H821L    | 100                |        |
|      |                | 18        | 20     | 2420                                           | 0.042                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1H821( )  | 100                | 250    |
|      | 1000           | 12.5      | 40     | 2590                                           | 0.030                                   | 5000                 | 0.80        | 5.0        |              |              | EEUFC1H102L    | 100                |        |
|      |                | 16        | 25     | 2235                                           | 0.034                                   | 5000                 | 0.80        | 7.5        | 7.5          |              | EEUFC1H102( )  | 100                | 250    |

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Design, and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and / or use. Should a safety concern arise regarding this product, please be sure to contact us immediately. Mar.2006

■ Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                     |                                              |                           | Lead Length          |                  |                      |                      | Part No.       | Min.Packaging Q'ty         |                 |
|------|----------------|-----------|--------|---------------------------------------------------|----------------------------------------------|---------------------------|----------------------|------------------|----------------------|----------------------|----------------|----------------------------|-----------------|
|      |                | Dia.      | Length | Ripple<br>current<br>(100kHz)<br>(+105°C)<br>(mA) | Imped-<br>ance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia.<br>(mm) | Lead Space       |                      |                      |                | Straight<br>Leads<br>(pcs) | Taping<br>(pcs) |
|      |                |           |        |                                                   |                                              |                           |                      | Straight<br>(mm) | Taping<br>*B<br>(mm) | Taping<br>*H<br>(mm) |                |                            |                 |
| (V)  | (μF)           | (mm)      | (mm)   |                                                   |                                              |                           |                      |                  |                      |                      |                |                            |                 |
| 50   | 1200           | 16        | 31.5   | 2700                                              | 0.028                                        | 5000                      | 0.80                 | 7.5              |                      |                      | EEUFC1H122     | 100                        |                 |
|      |                | 18        | 25     | 2610                                              | 0.029                                        | 5000                      | 0.80                 | 7.5              | 7.5                  |                      | EEUFC1H122S( ) | 100                        | 250             |
|      | 1500           | 16        | 35.5   | 2790                                              | 0.025                                        | 5000                      | 0.80                 | 7.5              |                      |                      | EEUFC1H152L    | 100                        |                 |
|      | 1800           | 16        | 40     | 2845                                              | 0.023                                        | 5000                      | 0.80                 | 7.5              |                      |                      | EEUFC1H182L    | 100                        |                 |
|      |                | 18        | 31.5   | 3000                                              | 0.025                                        | 5000                      | 0.80                 | 7.5              |                      |                      | EEUFC1H182     | 50                         |                 |
|      | 2200           | 18        | 35.5   | 3100                                              | 0.023                                        | 5000                      | 0.80                 | 7.5              |                      |                      | EEUFC1H222     | 50                         |                 |
| 63   | 6.8            | 4         | 11     | 80                                                | 3.50                                         | 1000                      | 0.45                 | 1.5              | 5.0                  | 2.5                  | EEUFC1J6R8( )  | 200                        | 2000            |
|      | 12             | 5         | 11     | 145                                               | 2.00                                         | 1000                      | 0.50                 | 2.0              | 5.0                  | 2.5                  | EEUFC1J120( )  | 200                        | 2000            |
|      | 18             | 5         | 15     | 200                                               | 1.30                                         | 1000                      | 0.50                 | 2.0              | 5.0                  | 2.5                  | EEUFC1J180( )  | 200                        | 2000            |
|      | 22             | 6.3       | 11.2   | 240                                               | 1.00                                         | 1000                      | 0.50                 | 2.5              | 5.0                  | 2.5                  | EEUFC1J220( )  | 200                        | 2000            |
|      | 33             | 6.3       | 11.2   | 240                                               | 1.00                                         | 1000                      | 0.50                 | 2.5              | 5.0                  | 2.5                  | EEUFC1J330( )  | 200                        | 2000            |
|      | 39             | 6.3       | 15     | 330                                               | 0.700                                        | 1000                      | 0.50                 | 2.5              | 5.0                  | 2.5                  | EEUFC1J390( )  | 200                        | 2000            |
|      | 47             | 8         | 11.5   | 405                                               | 0.342                                        | 2000                      | 0.60                 | 3.5              | 5.0                  |                      | EEUFC1J470( )  | 200                        | 1000            |
|      | 56             | 8         | 11.5   | 405                                               | 0.342                                        | 2000                      | 0.60                 | 3.5              | 5.0                  |                      | EEUFC1J560( )  | 200                        | 1000            |
|      | 68             | 8         | 11.5   | 405                                               | 0.342                                        | 2000                      | 0.60                 | 3.5              | 5.0                  |                      | EEUFC1J680( )  | 200                        | 1000            |
|      | 82             | 10        | 12.5   | 535                                               | 0.256                                        | 3000                      | 0.60                 | 5.0              | 5.0                  |                      | EEUFC1J820( )  | 200                        | 500             |
|      | 100            | 8         | 15     | 535                                               | 0.230                                        | 2000                      | 0.60                 | 3.5              | 5.0                  |                      | EEUFC1J101L( ) | 200                        | 1000            |
|      |                | 10        | 12.5   | 535                                               | 0.256                                        | 3000                      | 0.60                 | 5.0              | 5.0                  |                      | EEUFC1J101( )  | 200                        | 500             |
|      | 120            | 10        | 16     | 600                                               | 0.194                                        | 3000                      | 0.60                 | 5.0              | 5.0                  |                      | EEUFC1J121( )  | 200                        | 500             |
|      | 150            | 8         | 20     | 690                                               | 0.178                                        | 2000                      | 0.60                 | 3.5              | 5.0                  |                      | EEUFC1J151( )  | 200                        | 1000            |
|      | 180            | 10        | 20     | 885                                               | 0.147                                        | 3000                      | 0.60                 | 5.0              | 5.0                  |                      | EEUFC1J181( )  | 200                        | 500             |
|      |                | 12.5      | 15     | 1020                                              | 0.150                                        | 5000                      | 0.60                 | 5.0              | 5.0                  |                      | EEUFC1J181S( ) | 200                        | 500             |
|      | 220            | 10        | 20     | 885                                               | 0.147                                        | 3000                      | 0.60                 | 5.0              | 5.0                  |                      | EEUFC1J221X( ) | 200                        | 500             |
|      |                | 10        | 25     | 1050                                              | 0.130                                        | 3000                      | 0.60                 | 5.0              | 5.0                  |                      | EEUFC1J221( )  | 200                        | 500             |
|      |                | 12.5      | 20     | 1285                                              | 0.085                                        | 5000                      | 0.60                 | 5.0              | 5.0                  |                      | EEUFC1J221S( ) | 200                        | 500             |
|      | 270            | 16        | 15     | 1410                                              | 0.090                                        | 5000                      | 0.80                 | 7.5              | 7.5                  |                      | EEUFC1J271( )  | 100                        | 250             |
|      | 330            | 10        | 30     | 1300                                              | 0.090                                        | 3000                      | 0.60                 | 5.0              |                      |                      | EEUFC1J331L    | 100                        |                 |
|      |                | 12.5      | 20     | 1285                                              | 0.085                                        | 5000                      | 0.60                 | 5.0              | 5.0                  |                      | EEUFC1J331( )  | 200                        | 500             |
|      | 390            | 12.5      | 25     | 1720                                              | 0.070                                        | 5000                      | 0.60                 | 5.0              | 5.0                  |                      | EEUFC1J391( )  | 200                        | 500             |
|      |                | 18        | 15     | 1690                                              | 0.086                                        | 5000                      | 0.80                 | 7.5              | 7.5                  |                      | EEUFC1J391S( ) | 100                        | 250             |
|      | 470            | 12.5      | 30     | 2090                                              | 0.055                                        | 5000                      | 0.80                 | 5.0              |                      |                      | EEUFC1J471L    | 100                        |                 |
|      |                | 16        | 20     | 1765                                              | 0.059                                        | 5000                      | 0.80                 | 7.5              | 7.5                  |                      | EEUFC1J471( )  | 100                        | 250             |
|      | 560            | 16        | 25     | 2160                                              | 0.050                                        | 5000                      | 0.80                 | 7.5              | 7.5                  |                      | EEUFC1J561( )  | 100                        | 250             |
|      | 680            | 12.5      | 35     | 2265                                              | 0.047                                        | 5000                      | 0.80                 | 5.0              |                      |                      | EEUFC1J681L    | 100                        |                 |
|      |                | 16        | 25     | 2160                                              | 0.050                                        | 5000                      | 0.80                 | 7.5              | 7.5                  |                      | EEUFC1J681( )  | 100                        | 250             |
|      |                | 18        | 20     | 2290                                              | 0.055                                        | 5000                      | 0.80                 | 7.5              | 7.5                  |                      | EEUFC1J681S( ) | 100                        | 250             |
|      | 820            | 12.5      | 40     | 2560                                              | 0.042                                        | 5000                      | 0.80                 | 5.0              |                      |                      | EEUFC1J821L    | 100                        |                 |
|      |                | 16        | 31.5   | 2670                                              | 0.043                                        | 5000                      | 0.80                 | 7.5              |                      |                      | EEUFC1J821     | 100                        |                 |
|      |                | 18        | 25     | 2585                                              | 0.043                                        | 5000                      | 0.80                 | 7.5              | 7.5                  |                      | EEUFC1J821S( ) | 100                        | 250             |
|      | 1000           | 16        | 31.5   | 2670                                              | 0.043                                        | 5000                      | 0.80                 | 7.5              |                      |                      | EEUFC1J102U    | 100                        |                 |
|      |                | 16        | 35.5   | 2770                                              | 0.036                                        | 5000                      | 0.80                 | 7.5              |                      |                      | EEUFC1J102     | 100                        |                 |
|      | 1200           | 16        | 40     | 2825                                              | 0.030                                        | 5000                      | 0.80                 | 7.5              |                      |                      | EEUFC1J122L    | 100                        |                 |
|      |                | 18        | 31.5   | 2950                                              | 0.032                                        | 5000                      | 0.80                 | 7.5              |                      |                      | EEUFC1J122     | 50                         |                 |
|      | 1500           | 18        | 35.5   | 3095                                              | 0.030                                        | 5000                      | 0.80                 | 7.5              |                      |                      | EEUFC1J152     | 50                         |                 |

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Design, and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and / or use. Should a safety concern arise regarding this product, please be sure to contact us immediately. Mar.2006

■ Standard Products

| W.V. | Cap.<br>(±20%) | Case size |        | Specification                                     |                                              |                           | Lead Length  |            |        |        | Part No.       | Min.PackagingQ' ty |        |
|------|----------------|-----------|--------|---------------------------------------------------|----------------------------------------------|---------------------------|--------------|------------|--------|--------|----------------|--------------------|--------|
|      |                | Dia.      | Length | Ripple<br>current<br>(100kHz)<br>(+105°C)<br>(mA) | Imped-<br>ance<br>(100kHz)<br>(+20°C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia. | Lead Space |        |        |                | Straight<br>Leads  | Taping |
|      |                |           |        |                                                   |                                              |                           |              | Straight   | Taping | Taping |                |                    |        |
| (V)  | (μF)           | (mm)      | (mm)   |                                                   |                                              |                           | (m m)        | (m m)      | (mm)   | (mm)   |                | (pcs)              | (pcs)  |
| 63   | 1800           | 18        | 40     | 3205                                              | 0.025                                        | 5000                      | 0.80         | 7.5        |        |        | EEUFC1J182     | 50                 |        |
| 100  | 5.6            | 5         | 11     | 80                                                | 4.10                                         | 1000                      | 0.50         | 2.0        | 5.0    | 2.5    | EEUFC2A5R6( )  | 200                | 2000   |
|      | 8.2            | 5         | 15     | 90                                                | 2.80                                         | 1000                      | 0.50         | 2.0        | 5.0    | 2.5    | EEUFC2A8R2( )  | 200                | 2000   |
|      | 12             | 6.3       | 11.2   | 114                                               | 1.80                                         | 1000                      | 0.50         | 2.5        | 5.0    | 2.5    | EEUFC2A120( )  | 200                | 2000   |
|      | 18             | 6.3       | 15     | 155                                               | 1.10                                         | 1000                      | 0.50         | 2.5        | 5.0    | 2.5    | EEUFC2A180( )  | 200                | 2000   |
|      | 22             | 8         | 11.5   | 260                                               | 0.680                                        | 2000                      | 0.60         | 3.5        | 5.0    |        | EEUFC2A220( )  | 200                | 1000   |
|      | 33             | 8         | 15     | 340                                               | 0.450                                        | 2000                      | 0.60         | 3.5        | 5.0    |        | EEUFC2A330L( ) | 200                | 1000   |
|      |                | 10        | 12.5   | 306                                               | 0.530                                        | 3000                      | 0.60         | 5.0        | 5.0    |        | EEUFC2A330( )  | 200                | 500    |
|      | 39             | 8         | 20     | 455                                               | 0.330                                        | 2000                      | 0.60         | 5.0        | 5.0    |        | EEUFC2A390L( ) | 200                | 1000   |
|      |                | 10        | 16     | 400                                               | 0.360                                        | 3000                      | 0.60         | 5.0        | 5.0    |        | EEUFC2A390( )  | 200                | 500    |
|      | 56             | 10        | 20     | 463                                               | 0.240                                        | 3000                      | 0.60         | 5.0        | 5.0    |        | EEUFC2A560( )  | 200                | 500    |
|      | 68             | 10        | 25     | 599                                               | 0.210                                        | 3000                      | 0.60         | 5.0        | 5.0    |        | EEUFC2A680L( ) | 200                | 500    |
|      |                | 12.5      | 15     | 511                                               | 0.230                                        | 5000                      | 0.60         | 5.0        | 5.0    |        | EEUFC2A680( )  | 200                | 500    |
|      | 100            | 10        | 30     | 698                                               | 0.150                                        | 3000                      | 0.60         | 5.0        |        |        | EEUFC2A101L    | 100                |        |
|      |                | 12.5      | 20     | 671                                               | 0.180                                        | 5000                      | 0.60         | 5.0        | 5.0    |        | EEUFC2A101( )  | 200                | 500    |
|      | 120            | 16        | 15     | 793                                               | 0.140                                        | 5000                      | 0.80         | 7.5        | 7.5    |        | EEUFC2A121S( ) | 100                | 250    |
|      | 150            | 12.5      | 25     | 807                                               | 0.110                                        | 5000                      | 0.60         | 5.0        | 5.0    |        | EEUFC2A151( )  | 200                | 500    |
|      |                | 18        | 15     | 917                                               | 0.120                                        | 5000                      | 0.80         | 7.5        | 7.5    |        | EEUFC2A151S( ) | 100                | 250    |
|      | 180            | 12.5      | 30     | 937                                               | 0.098                                        | 5000                      | 0.80         | 5.0        |        |        | EEUFC2A181L    | 100                |        |
|      |                | 16        | 20     | 995                                               | 0.110                                        | 5000                      | 0.80         | 7.5        | 7.5    |        | EEUFC2A181( )  | 100                | 250    |
|      | 220            | 12.5      | 35     | 1040                                              | 0.087                                        | 5000                      | 0.80         | 5.0        |        |        | EEUFC2A221L    | 100                |        |
|      |                | 16        | 25     | 1170                                              | 0.089                                        | 5000                      | 0.80         | 7.5        | 7.5    |        | EEUFC2A221( )  | 100                | 100    |
|      | 270            | 12.5      | 40     | 1130                                              | 0.072                                        | 5000                      | 0.80         | 5.0        |        |        | EEUFC2A271L    | 100                |        |
|      |                | 18        | 20     | 1230                                              | 0.080                                        | 5000                      | 0.80         | 7.5        | 7.5    |        | EEUFC2A271S( ) | 100                | 250    |
|      | 330            | 16        | 31.5   | 1520                                              | 0.062                                        | 5000                      | 0.80         | 7.5        |        |        | EEUFC2A331     | 100                |        |
|      |                | 18        | 25     | 1420                                              | 0.070                                        | 5000                      | 0.80         | 7.5        | 7.5    |        | EEUFC2A331S( ) | 100                | 250    |
|      | 390            | 16        | 35.5   | 1730                                              | 0.053                                        | 5000                      | 0.80         | 7.5        |        |        | EEUFC2A391L    | 100                |        |
|      |                | 18        | 31.5   | 1600                                              | 0.062                                        | 5000                      | 0.80         | 7.5        |        |        | EEUFC2A391     | 50                 |        |
|      | 470            | 16        | 40     | 1920                                              | 0.047                                        | 5000                      | 0.80         | 7.5        |        |        | EEUFC2A471     | 100                |        |
|      | 560            | 18        | 35.5   | 1770                                              | 0.041                                        | 5000                      | 0.80         | 7.5        |        |        | EEUFC2A561     | 50                 |        |
|      | 680            | 18        | 40     | 2300                                              | 0.036                                        | 5000                      | 0.80         | 7.5        |        |        | EEUFC2A681     | 50                 |        |

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