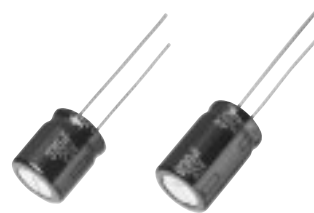


### Radial Lead Type

Series: **FM** Type: **A**

#### ■ Features

- Low impedance (40 % to 70 % less than FC Series)
- Endurance : 2000 h to 7000 h at +105 °C
- RoHS directive compliant



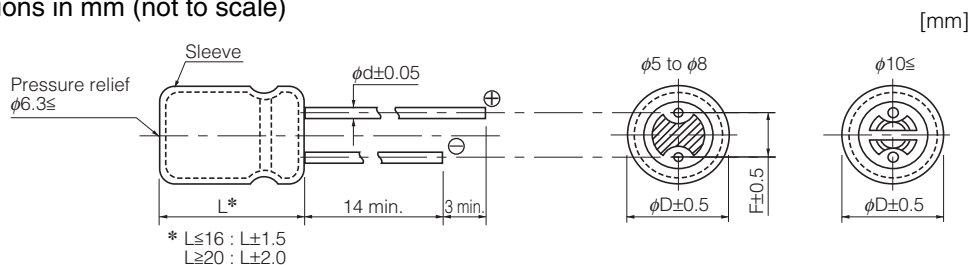
#### ■ Specifications

|                       |                                                                                                                                                                                                                                                                              |                                    |                                                         |      |      |      |      |                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|---------------------------------------------------------|------|------|------|------|------------------------|
| Specifications        |                                                                                                                                                                                                                                                                              |                                    |                                                         |      |      |      |      |                        |
| Category Temp. Range  | -40 °C to +105 °C                                                                                                                                                                                                                                                            |                                    |                                                         |      |      |      |      |                        |
| Rated W.V. Range      | 6.3 V.DC to 50 V.DC                                                                                                                                                                                                                                                          |                                    |                                                         |      |      |      |      |                        |
| Nominal Cap. Range    | 22 µF to 6800 µF                                                                                                                                                                                                                                                             |                                    |                                                         |      |      |      |      |                        |
| Capacitance Tolerance | ±20 % (120 Hz/+20 °C)                                                                                                                                                                                                                                                        |                                    |                                                         |      |      |      |      |                        |
| DC Leakage Current    | $I \leq 0.01 CV (\mu A)$ After 2 minutes                                                                                                                                                                                                                                     |                                    |                                                         |      |      |      |      |                        |
| tan δ                 | W.V.                                                                                                                                                                                                                                                                         | 6.3                                | 10                                                      | 16   | 25   | 35   | 50   | (max.) (120 Hz/+20 °C) |
|                       | tan δ                                                                                                                                                                                                                                                                        | 0.22                               | 0.19                                                    | 0.16 | 0.14 | 0.12 | 0.10 |                        |
|                       | Add 0.02 per 1000 µF for products of 1000 µF or more.                                                                                                                                                                                                                        |                                    |                                                         |      |      |      |      |                        |
| Endurance             | After following life test with DC voltage and +105 °C±2 °C ripple current value applied. (The sum of DC and ripple peak voltage shall not exceed the rated working voltage) when the capacitors are restored to 20 °C, the capacitors shall meet the limits specified below. |                                    |                                                         |      |      |      |      |                        |
|                       | Duration                                                                                                                                                                                                                                                                     |                                    |                                                         |      |      |      |      |                        |
|                       | ϕ5 to ϕ6.3 : 2000 hours, ϕ8×11.5 to ϕ8×15: 3000 hours                                                                                                                                                                                                                        |                                    |                                                         |      |      |      |      |                        |
|                       | ϕ8×20 to ϕ10×16 : 4000 hours, ϕ10×20 to ϕ12.5×20/ ϕ16×20: 5000 hours                                                                                                                                                                                                         |                                    |                                                         |      |      |      |      |                        |
|                       | ϕ12.5×25 to ϕ12.5×35/ ϕ16×25 : 7000 hours                                                                                                                                                                                                                                    |                                    |                                                         |      |      |      |      |                        |
|                       | Capacitance change                                                                                                                                                                                                                                                           |                                    | ±25 % of initial measured value (6.3 V to 10 V : ±30 %) |      |      |      |      |                        |
| tan δ                 |                                                                                                                                                                                                                                                                              | ≤ 200 % of initial specified value |                                                         |      |      |      |      |                        |
| DC leakage current    |                                                                                                                                                                                                                                                                              | ≤ initial specified value          |                                                         |      |      |      |      |                        |
| Shelf Life            | After storage for 1000 hours at +105 °C±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in Endurance. (With voltage treatment)                                                                                  |                                    |                                                         |      |      |      |      |                        |

#### ■ Frequency correction factor for ripple current

| W.V.(V.DC) | Cap (µF)     | Frequency (Hz) |      |      |      |       |
|------------|--------------|----------------|------|------|------|-------|
|            |              | 60             | 120  | 1 k  | 10 k | 100 k |
| 6.3 to 50  | 22 to 33     | 0.45           | 0.55 | 0.75 | 0.90 | 1.00  |
|            | 47 to 330    | 0.60           | 0.70 | 0.85 | 0.95 | 1.00  |
|            | 390 to 1000  | 0.65           | 0.75 | 0.90 | 0.98 | 1.00  |
|            | 1200 to 6800 | 0.75           | 0.80 | 0.95 | 1.00 | 1.00  |

#### ■ Dimensions in mm (not to scale)



|                    | (mm) |     |     |     |            |          |
|--------------------|------|-----|-----|-----|------------|----------|
| Body Dia. $\phi D$ | 5    | 6.3 | 8   | 10  | 12.5       | 16       |
| Body Length L      | —    | —   | —   | —   | 12.5 to 25 | 30 to 40 |
| Lead Dia. $\phi d$ | 0.5  | 0.5 | 0.6 | 0.6 | 0.6        | 0.8      |
| Lead space F       | 2.0  | 2.5 | 3.5 | 5.0 | 5.0        | 7.5      |

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.

00 Sep. 2010

■ Case size/Impedance/Ripple current

| W.V.(V.DC)<br><br>Case size<br>( $\phi$ D×L) | 6.3 V to 35 V                     |        |                                       | 50 V                              |        |                                       |
|----------------------------------------------|-----------------------------------|--------|---------------------------------------|-----------------------------------|--------|---------------------------------------|
|                                              | Impedance<br>( $\Omega$ /100 kHz) |        | Ripple Current<br>(mA r.m.s./100 kHz) | Impedance<br>( $\Omega$ /100 kHz) |        | Ripple Current<br>(mA r.m.s./100 kHz) |
|                                              | +20 °C                            | −10 °C | +105 °C                               | +20 °C                            | −10 °C | +105 °C                               |
| 5 × 11                                       | 0.300                             | 1.000  | 280                                   | 0.340                             | 1.130  | 250                                   |
| 6.3 × 11.2                                   | 0.130                             | 0.430  | 455                                   | 0.140                             | 0.460  | 405                                   |
| 8 × 11.5                                     | 0.056                             | 0.168  | 950                                   | 0.061                             | 0.183  | 870                                   |
| 8 × 15                                       | 0.041                             | 0.123  | 1240                                  | 0.045                             | 0.135  | 1140                                  |
| 8 × 20                                       | 0.030                             | 0.090  | 1560                                  | 0.033                             | 0.099  | 1430                                  |
| 10 × 12.5                                    | 0.038                             | 0.114  | 1290                                  | 0.042                             | 0.126  | 1170                                  |
| 10 × 16                                      | 0.026                             | 0.078  | 1790                                  | 0.030                             | 0.090  | 1650                                  |
| 10 × 20                                      | 0.019                             | 0.057  | 2180                                  | 0.023                             | 0.069  | 1890                                  |
| 10 × 25                                      | 0.018                             | 0.054  | 2470                                  | 0.022                             | 0.066  | 2150                                  |
| 12.5 × 20                                    | 0.018                             | 0.045  | 2600                                  | 0.022                             | 0.055  | 2260                                  |
| 12.5 × 25                                    | 0.015                             | 0.038  | 3190                                  | 0.018                             | 0.045  | 2660                                  |
| 12.5 × 30                                    | 0.013                             | 0.033  | 3630                                  | 0.016                             | 0.040  | 3160                                  |
| 12.5 × 35                                    | 0.012                             | 0.030  | 3750                                  | 0.014                             | 0.035  | 3270                                  |
| 16 × 20                                      | 0.017                             | 0.043  | 3300                                  | 0.019                             | 0.048  | 2870                                  |
| 16 × 25                                      | 0.014                             | 0.035  | 3820                                  | 0.016                             | 0.040  | 3320                                  |

### ■ Standard Products

| W.V. | Cap.<br>(±20 %) | Case size |        | Specification                                              |                                                |                           | Lead Length          |            |              |              | Part No.       | Min. Packaging Q'ty   |                 |
|------|-----------------|-----------|--------|------------------------------------------------------------|------------------------------------------------|---------------------------|----------------------|------------|--------------|--------------|----------------|-----------------------|-----------------|
|      |                 | Dia.      | Length | Ripple<br>Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Imped-<br>ance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia.<br>(mm) | Lead Space |              |              |                | Long<br>Lead<br>(pcs) | Taping<br>(pcs) |
|      |                 |           |        |                                                            |                                                |                           |                      | Straight   | Taping<br>*B | Taping<br>*H |                |                       |                 |
| (V)  | (μF)            | (mm)      | (mm)   | (mA r.m.s.)                                                | (Ω)                                            | (hours)                   | (mm)                 | (mm)       | (mm)         | (mm)         |                | (pcs)                 | (pcs)           |
| 6.3  | 150             | 5         | 11     | 280                                                        | 0.300                                          | 2000                      | 0.5                  | 2.0        | 5.0          | 2.5          | EEUFM0J151( )  | 200                   | 2000            |
|      | 330             | 6.3       | 11.2   | 455                                                        | 0.130                                          | 2000                      | 0.5                  | 2.5        | 5.0          | 2.5          | EEUFM0J331( )  | 200                   | 2000            |
|      | 560             | 8         | 11.5   | 950                                                        | 0.056                                          | 3000                      | 0.6                  | 3.5        | 5.0          |              | EEUFM0J561( )  | 200                   | 1000            |
|      | 820             | 8         | 15     | 1240                                                       | 0.041                                          | 3000                      | 0.6                  | 3.5        | 5.0          |              | EEUFM0J821L( ) | 200                   | 1000            |
|      | 1000            | 10        | 12.5   | 1290                                                       | 0.038                                          | 4000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM0J102( )  | 200                   | 500             |
|      | 1200            | 8         | 20     | 1560                                                       | 0.030                                          | 4000                      | 0.6                  | 3.5        | 5.0          |              | EEUFM0J122L( ) | 200                   | 1000            |
|      |                 | 10        | 16     | 1790                                                       | 0.026                                          | 4000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM0J122( )  | 200                   | 500             |
|      | 1500            | 10        | 20     | 2180                                                       | 0.019                                          | 5000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM0J152( )  | 200                   | 500             |
|      | 2200            | 10        | 25     | 2470                                                       | 0.018                                          | 5000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM0J222L( ) | 200                   | 500             |
|      | 3300            | 12.5      | 20     | 2600                                                       | 0.018                                          | 5000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM0J332( )  | 200                   | 500             |
|      | 3900            | 12.5      | 25     | 3190                                                       | 0.015                                          | 7000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM0J392( )  | 200                   | 500             |
|      | 4700            | 12.5      | 30     | 3630                                                       | 0.013                                          | 7000                      | 0.8                  | 5.0        |              |              | EEUFM0J472L    | 100                   |                 |
|      | 5600            | 12.5      | 35     | 3750                                                       | 0.012                                          | 7000                      | 0.8                  | 5.0        |              |              | EEUFM0J562L    | 100                   |                 |
|      |                 | 16        | 20     | 3300                                                       | 0.017                                          | 5000                      | 0.8                  | 7.5        | 7.5          |              | EEUFM0J562S( ) | 100                   | 250             |
|      | 6800            | 16        | 25     | 3820                                                       | 0.014                                          | 7000                      | 0.8                  | 7.5        | 7.5          |              | EEUFM0J682( )  | 100                   | 250             |
| 10   | 100             | 5         | 11     | 280                                                        | 0.300                                          | 2000                      | 0.5                  | 2.0        | 5.0          | 2.5          | EEUFM1A101( )  | 200                   | 2000            |
|      | 220             | 6.3       | 11.2   | 455                                                        | 0.130                                          | 2000                      | 0.5                  | 2.5        | 5.0          | 2.5          | EEUFM1A221( )  | 200                   | 2000            |
|      | 470             | 8         | 11.5   | 950                                                        | 0.056                                          | 3000                      | 0.6                  | 3.5        | 5.0          |              | EEUFM1A471( )  | 200                   | 1000            |
|      | 680             | 8         | 15     | 1240                                                       | 0.041                                          | 3000                      | 0.6                  | 3.5        | 5.0          |              | EEUFM1A681L( ) | 200                   | 1000            |
|      |                 | 10        | 12.5   | 1290                                                       | 0.038                                          | 4000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1A681( )  | 200                   | 500             |
|      | 1000            | 8         | 20     | 1560                                                       | 0.030                                          | 4000                      | 0.6                  | 3.5        | 5.0          |              | EEUFM1A102L( ) | 200                   | 1000            |
|      |                 | 10        | 16     | 1790                                                       | 0.026                                          | 4000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1A102( )  | 200                   | 500             |
|      | 1200            | 10        | 20     | 2180                                                       | 0.019                                          | 5000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1A122( )  | 200                   | 500             |
|      | 1500            | 10        | 25     | 2470                                                       | 0.018                                          | 5000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1A152L( ) | 200                   | 500             |
|      | 2200            | 12.5      | 20     | 2600                                                       | 0.018                                          | 5000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1A222( )  | 200                   | 500             |
|      | 3300            | 12.5      | 25     | 3190                                                       | 0.015                                          | 7000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1A332( )  | 200                   | 500             |
|      | 3900            | 12.5      | 30     | 3630                                                       | 0.013                                          | 7000                      | 0.8                  | 5.0        |              |              | EEUFM1A392L    | 100                   |                 |
|      |                 | 16        | 20     | 3300                                                       | 0.017                                          | 5000                      | 0.8                  | 7.5        | 7.5          |              | EEUFM1A392S( ) | 100                   | 250             |
|      | 4700            | 12.5      | 35     | 3750                                                       | 0.012                                          | 7000                      | 0.8                  | 5.0        |              |              | EEUFM1A472L    | 100                   |                 |
|      | 5600            | 16        | 25     | 3820                                                       | 0.014                                          | 7000                      | 0.8                  | 7.5        | 7.5          |              | EEUFM1A562( )  | 100                   | 250             |
| 16   | 68              | 5         | 11     | 280                                                        | 0.300                                          | 2000                      | 0.5                  | 2.0        | 5.0          | 2.5          | EEUFM1C680( )  | 200                   | 2000            |
|      | 120             | 6.3       | 11.2   | 455                                                        | 0.130                                          | 2000                      | 0.5                  | 2.5        | 5.0          | 2.5          | EEUFM1C121( )  | 200                   | 2000            |
|      | 330             | 8         | 11.5   | 950                                                        | 0.056                                          | 3000                      | 0.6                  | 3.5        | 5.0          |              | EEUFM1C331( )  | 200                   | 1000            |
|      | 470             | 8         | 15     | 1240                                                       | 0.041                                          | 3000                      | 0.6                  | 3.5        | 5.0          |              | EEUFM1C471L( ) | 200                   | 1000            |
|      |                 | 10        | 12.5   | 1290                                                       | 0.038                                          | 4000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1C471( )  | 200                   | 500             |
|      | 680             | 8         | 20     | 1560                                                       | 0.030                                          | 4000                      | 0.6                  | 3.5        | 5.0          |              | EEUFM1C681L( ) | 200                   | 1000            |
|      |                 | 10        | 16     | 1790                                                       | 0.026                                          | 4000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1C681( )  | 200                   | 500             |
|      | 1000            | 10        | 20     | 2180                                                       | 0.019                                          | 5000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1C102( )  | 200                   | 500             |
|      | 1200            | 10        | 25     | 2470                                                       | 0.018                                          | 5000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1C122L( ) | 200                   | 500             |
|      | 1500            | 12.5      | 20     | 2600                                                       | 0.018                                          | 5000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1C152( )  | 200                   | 500             |
|      | 2200            | 12.5      | 25     | 3190                                                       | 0.015                                          | 7000                      | 0.6                  | 5.0        | 5.0          |              | EEUFM1C222( )  | 200                   | 500             |
|      | 2700            | 12.5      | 30     | 3630                                                       | 0.013                                          | 7000                      | 0.8                  | 5.0        |              |              | EEUFM1C272L    | 100                   |                 |
|      |                 | 16        | 20     | 3300                                                       | 0.017                                          | 5000                      | 0.8                  | 7.5        | 7.5          |              | EEUFM1C272S( ) | 100                   | 250             |
|      | 3300            | 12.5      | 35     | 3750                                                       | 0.012                                          | 7000                      | 0.8                  | 5.0        |              |              | EEUFM1C332L    | 100                   |                 |
|      | 3900            | 16        | 25     | 3820                                                       | 0.014                                          | 7000                      | 0.8                  | 7.5        | 7.5          |              | EEUFM1C392( )  | 100                   | 250             |

When requesting taped product, please put the letter "B" of "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on EE189 of our Catalog. Please use it as a reference guide.

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.

00 Sep. 2010

## ■ Standard Products

| W.V. | Cap.<br>(±20 %) | Case size |        | Specification                                              |                                                |                           | Lead Length  |            |              |              | Part No.       | Min. Packaging Q'ty |        |
|------|-----------------|-----------|--------|------------------------------------------------------------|------------------------------------------------|---------------------------|--------------|------------|--------------|--------------|----------------|---------------------|--------|
|      |                 | Dia.      | Length | Ripple<br>Current<br>(100 kHz)<br>(+105 °C)<br>(mA r.m.s.) | Imped-<br>ance<br>(100 kHz)<br>(+20 °C)<br>(Ω) | Endur-<br>ance<br>(hours) | Lead<br>Dia. | Lead Space |              |              |                | Long<br>Lead        | Taping |
|      |                 |           |        |                                                            |                                                |                           |              | Straight   | Taping<br>*B | Taping<br>*H |                |                     |        |
| (V)  | (μF)            | (mm)      | (mm)   | (mA r.m.s.)                                                | (Ω)                                            | (hours)                   | (mm)         | (mm)       | (mm)         | (mm)         |                | (pcs)               | (pcs)  |
| 25   | 47              | 5         | 11     | 280                                                        | 0.300                                          | 2000                      | 0.5          | 2.0        | 5.0          | 2.5          | EEUFM1E470( )  | 200                 | 2000   |
|      | 100             | 6.3       | 11.2   | 455                                                        | 0.130                                          | 2000                      | 0.5          | 2.5        | 5.0          | 2.5          | EEUFM1E101( )  | 200                 | 2000   |
|      | 220             | 8         | 11.5   | 950                                                        | 0.056                                          | 3000                      | 0.6          | 3.5        | 5.0          |              | EEUFM1E221( )  | 200                 | 1000   |
|      | 330             | 8         | 15     | 1240                                                       | 0.041                                          | 3000                      | 0.6          | 3.5        | 5.0          |              | EEUFM1E331L( ) | 200                 | 1000   |
|      |                 | 10        | 12.5   | 1290                                                       | 0.038                                          | 4000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1E331( )  | 200                 | 500    |
|      | 470             | 8         | 20     | 1560                                                       | 0.030                                          | 4000                      | 0.6          | 3.5        | 5.0          |              | EEUFM1E471L( ) | 200                 | 1000   |
|      |                 | 10        | 16     | 1790                                                       | 0.026                                          | 4000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1E471( )  | 200                 | 500    |
|      | 680             | 10        | 20     | 2180                                                       | 0.019                                          | 5000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1E681( )  | 200                 | 500    |
|      | 820             | 10        | 25     | 2470                                                       | 0.018                                          | 5000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1E821L( ) | 200                 | 500    |
|      | 1000            | 12.5      | 20     | 2600                                                       | 0.018                                          | 5000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1E102( )  | 200                 | 500    |
|      | 1500            | 12.5      | 25     | 3190                                                       | 0.015                                          | 7000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1E152( )  | 200                 | 500    |
|      | 1800            | 12.5      | 30     | 3630                                                       | 0.013                                          | 7000                      | 0.8          | 5.0        |              |              | EEUFM1E182L    | 100                 |        |
|      |                 | 16        | 20     | 3300                                                       | 0.017                                          | 5000                      | 0.8          | 7.5        | 7.5          |              | EEUFM1E182S( ) | 100                 | 250    |
|      | 2200            | 12.5      | 35     | 3750                                                       | 0.012                                          | 7000                      | 0.8          | 5.0        |              |              | EEUFM1E222L    | 100                 |        |
|      | 2700            | 16        | 25     | 3820                                                       | 0.014                                          | 7000                      | 0.8          | 7.5        | 7.5          |              | EEUFM1E272( )  | 100                 | 250    |
| 35   | 33              | 5         | 11     | 280                                                        | 0.300                                          | 2000                      | 0.5          | 2.0        | 5.0          | 2.5          | EEUFM1V330( )  | 200                 | 2000   |
|      | 68              | 6.3       | 11.2   | 455                                                        | 0.130                                          | 2000                      | 0.5          | 2.5        | 5.0          | 2.5          | EEUFM1V680( )  | 200                 | 2000   |
|      | 150             | 8         | 11.5   | 950                                                        | 0.056                                          | 3000                      | 0.6          | 3.5        | 5.0          |              | EEUFM1V151( )  | 200                 | 1000   |
|      | 220             | 8         | 15     | 1240                                                       | 0.041                                          | 3000                      | 0.6          | 3.5        | 5.0          |              | EEUFM1V221L( ) | 200                 | 1000   |
|      |                 | 10        | 12.5   | 1290                                                       | 0.038                                          | 4000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1V221( )  | 200                 | 500    |
|      | 330             | 8         | 20     | 1560                                                       | 0.030                                          | 4000                      | 0.6          | 3.5        | 5.0          |              | EEUFM1V331L( ) | 200                 | 1000   |
|      |                 | 10        | 16     | 1790                                                       | 0.026                                          | 4000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1V331( )  | 200                 | 500    |
|      | 470             | 10        | 20     | 2180                                                       | 0.019                                          | 5000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1V471( )  | 200                 | 500    |
|      | 560             | 10        | 25     | 2470                                                       | 0.018                                          | 5000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1V561L( ) | 200                 | 500    |
|      | 680             | 12.5      | 20     | 2600                                                       | 0.018                                          | 5000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1V681( )  | 200                 | 500    |
|      | 1000            | 12.5      | 25     | 3190                                                       | 0.015                                          | 7000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1V102( )  | 200                 | 500    |
|      | 1200            | 12.5      | 30     | 3630                                                       | 0.013                                          | 7000                      | 0.8          | 5.0        |              |              | EEUFM1V122L    | 100                 |        |
|      |                 | 16        | 20     | 3300                                                       | 0.017                                          | 5000                      | 0.8          | 7.5        | 7.5          |              | EEUFM1V122S( ) | 100                 | 250    |
|      | 1500            | 12.5      | 35     | 3750                                                       | 0.012                                          | 7000                      | 0.8          | 5.0        |              |              | EEUFM1V152L    | 100                 |        |
|      | 1800            | 16        | 25     | 3820                                                       | 0.014                                          | 7000                      | 0.8          | 7.5        | 7.5          |              | EEUFM1V182( )  | 100                 | 250    |
| 50   | 22              | 5         | 11     | 250                                                        | 0.340                                          | 2000                      | 0.5          | 2.0        | 5.0          | 2.5          | EEUFM1H220( )  | 200                 | 2000   |
|      | 56              | 6.3       | 11.2   | 405                                                        | 0.140                                          | 2000                      | 0.5          | 2.5        | 5.0          | 2.5          | EEUFM1H560( )  | 200                 | 2000   |
|      | 100             | 8         | 11.5   | 870                                                        | 0.061                                          | 3000                      | 0.6          | 3.5        | 5.0          |              | EEUFM1H101( )  | 200                 | 1000   |
|      | 120             | 8         | 15     | 1140                                                       | 0.045                                          | 3000                      | 0.6          | 3.5        | 5.0          |              | EEUFM1H121L( ) | 200                 | 1000   |
|      | 150             | 10        | 12.5   | 1170                                                       | 0.042                                          | 4000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1H151( )  | 200                 | 500    |
|      | 180             | 8         | 20     | 1430                                                       | 0.033                                          | 4000                      | 0.6          | 3.5        | 5.0          |              | EEUFM1H181L( ) | 200                 | 1000   |
|      | 220             | 10        | 16     | 1650                                                       | 0.030                                          | 4000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1H221( )  | 200                 | 500    |
|      | 270             | 10        | 20     | 1890                                                       | 0.023                                          | 5000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1H271( )  | 200                 | 500    |
|      | 330             | 10        | 25     | 2150                                                       | 0.022                                          | 5000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1H331L( ) | 200                 | 500    |
|      | 470             | 12.5      | 20     | 2260                                                       | 0.022                                          | 5000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1H471( )  | 200                 | 500    |
|      | 560             | 12.5      | 25     | 2660                                                       | 0.018                                          | 7000                      | 0.6          | 5.0        | 5.0          |              | EEUFM1H561( )  | 200                 | 500    |
|      | 680             | 12.5      | 30     | 3160                                                       | 0.016                                          | 7000                      | 0.8          | 5.0        |              |              | EEUFM1H681L    | 100                 |        |
|      | 820             | 12.5      | 35     | 3270                                                       | 0.014                                          | 7000                      | 0.8          | 5.0        |              |              | EEUFM1H821L    | 100                 |        |
|      |                 | 16        | 20     | 2870                                                       | 0.019                                          | 5000                      | 0.8          | 7.5        | 7.5          |              | EEUFM1H821S( ) | 100                 | 250    |
|      | 1000            | 16        | 25     | 3320                                                       | 0.016                                          | 7000                      | 0.8          | 7.5        | 7.5          |              | EEUFM1H102( )  | 100                 | 250    |

When requesting taped product, please put the letter "B" of "H" between the "( )". Lead wire pitch B=5 mm, 7.5 mm, H=2.5 mm. The taping dimensions are explained on EE189 of our Catalog. Please use it as a reference guide.

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.