

# Aluminum Capacitors +105 °C, Tubular, Axial Lead



## FEATURES

- Temperature range -55 °C to +105 °C
- Long life
- Material categorization: for definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



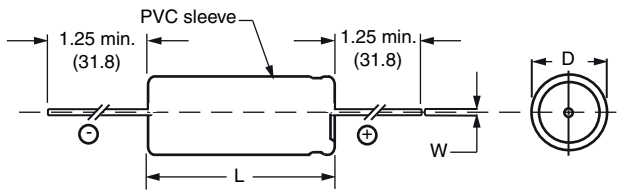
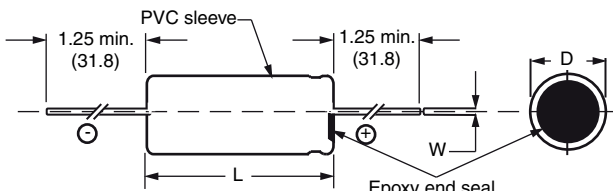
| QUICK REFERENCE DATA                       |                                                                                                                          |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| DESCRIPTION                                | VALUE                                                                                                                    |
| Nominal case size<br>Ø D x L in mm         | 0.625" x 1.125" [15.875 x 28.575]<br>to 1.0" x 3.625" [25.4 x 92.075]                                                    |
| Operating temperature                      | -55 °C to +105 °C                                                                                                        |
| Rated capacitance range, C <sub>R</sub>    | 12 µF to 33 000 µF                                                                                                       |
| Tolerance on C <sub>R</sub>                | -10 %, +50 %                                                                                                             |
| Rated voltage range, U <sub>R</sub>        | 6.3 WV <sub>DC</sub> to 300 WV <sub>DC</sub>                                                                             |
| Termination                                | Axial leads                                                                                                              |
| Life validation test<br>2000 h at 105 °C   | ΔCAP ≤ 15 % from initial measurement.<br>ΔESR ≤ 1.25 x initial specified limit.<br>ΔDCL ≤ initial specified limit.       |
| Shelf life<br>500 h at 105 °C              | ΔCAP ≤ 10 % from initial measurement.<br>ΔESR ≤ 1.15 x initial specified limit.<br>ΔDCL ≤ 2.0 x initial specified limit. |
| DC leakage current<br>(after 5 min charge) | $I = k \sqrt{CV}$<br>k = 0.5 at +25 °C<br>k = 3.0 at +105 °C<br>I in µA, C in µF, V in Volts                             |

| RIPPLE CURRENT MULTIPLIERS |          |             |             |
|----------------------------|----------|-------------|-------------|
| TEMPERATURE                |          |             |             |
| AMBIENT TEMPERATURE        |          | MULTIPLIERS |             |
| +105 °C                    |          | 0.4         |             |
| +65 °C                     |          | 1.7         |             |
| +45 °C                     |          | 2.0         |             |
| +25 °C                     |          | 2.6         |             |
| FREQUENCY (Hz)             |          |             |             |
| WV <sub>DC</sub>           | 50 TO 60 | 300 TO 400  | 1000 AND UP |
| 0 to 60                    | 0.85     | 1.10        | 1.15        |
| 61 to 250                  | 0.83     | 1.15        | 1.20        |

| LOW TEMPERATURE PERFORMANCE                                                   |                       |
|-------------------------------------------------------------------------------|-----------------------|
| CAPACITANCE RATIO C <sup>-55 °C</sup> / C <sup>+25 °C</sup> MINIMUM AT 120 Hz |                       |
| RATED VOLTAGE WV <sub>DC</sub>                                                | CAPACITANCE REMAINING |
| 0 to 25                                                                       | 75 %                  |
| 26 to 100                                                                     | 80 %                  |
| 101 to 250                                                                    | 85 %                  |
| ESR RATIO ESR <sup>-55 °C</sup> / ESR <sup>+25 °C</sup> MAXIMUM AT 120 Hz     |                       |
| RATED VOLTAGE WV <sub>DC</sub>                                                | MULTIPLIER            |
| 0 to 9                                                                        | 10                    |
| 10 to 40                                                                      | 12                    |
| 41 to 250                                                                     | 18                    |

| DIMENSIONS in inches [millimeters] |                                    |                                |                                                     |                                |                      |
|------------------------------------|------------------------------------|--------------------------------|-----------------------------------------------------|--------------------------------|----------------------|
| CASE CODE                          | STYLE 1 AND 2<br>INSULATING SLEEVE |                                | STYLE 3 AND 7<br>INSULATING SLEEVE, COATED END SEAL |                                | TYPICAL WEIGHT       |
|                                    | D                                  | L                              | D                                                   | L                              |                      |
| FE                                 | 0.635 ± 0.020<br>[16.1 ± 0.51]     | 1.141 ± 0.062<br>[29.0 ± 1.57] | 0.635 ± 0.020<br>[16.1 ± 0.51]                      | 1.187 ± 0.062<br>[30.2 ± 1.57] | 0.32 oz.<br>(9.0 g)  |
| FJ                                 | 0.635 ± 0.020<br>[16.1 ± 0.51]     | 1.641 ± 0.062<br>[41.7 ± 1.57] | 0.635 ± 0.020<br>[16.1 ± 0.51]                      | 1.687 ± 0.062<br>[42.9 ± 1.57] | 0.39 oz.<br>(11.0 g) |
| FL                                 | 0.635 ± 0.020<br>[16.1 ± 0.51]     | 2.141 ± 0.062<br>[54.4 ± 1.57] | 0.635 ± 0.020<br>[16.1 ± 0.51]                      | 2.187 ± 0.062<br>[55.6 ± 1.57] | 0.53 oz.<br>(15.0 g) |
| FP                                 | 0.635 ± 0.020<br>[16.1 ± 0.51]     | 2.641 ± 0.062<br>[67.1 ± 1.57] | 0.635 ± 0.020<br>[16.1 ± 0.51]                      | 2.687 ± 0.062<br>[68.3 ± 1.57] | 0.63 oz.<br>(18.0 g) |
| FS                                 | 0.635 ± 0.020<br>[16.1 ± 0.51]     | 3.141 ± 0.062<br>[79.8 ± 1.57] | 0.635 ± 0.020<br>[16.1 ± 0.51]                      | 3.187 ± 0.062<br>[81.0 ± 1.57] | 0.88 oz.<br>(25.0 g) |
| FT                                 | 0.635 ± 0.020<br>[16.1 ± 0.51]     | 3.641 ± 0.062<br>[92.5 ± 1.57] | 0.635 ± 0.020<br>[16.1 ± 0.51]                      | 3.687 ± 0.062<br>[93.7 ± 1.57] | 0.98 oz.<br>(28.0 g) |
| GE                                 | 0.760 ± 0.020<br>[19.3 ± 0.51]     | 1.141 ± 0.062<br>[29.0 ± 1.57] | 0.760 ± 0.020<br>[19.3 ± 0.51]                      | 1.187 ± 0.062<br>[30.2 ± 1.57] | 0.46 oz.<br>(13.0 g) |
| GJ                                 | 0.760 ± 0.020<br>[19.3 ± 0.51]     | 1.641 ± 0.062<br>[41.7 ± 1.57] | 0.760 ± 0.020<br>[19.3 ± 0.51]                      | 1.687 ± 0.062<br>[42.9 ± 1.57] | 0.67 oz.<br>(19.0 g) |

| DIMENSIONS in inches [millimeters] |                                    |                                |                                                     |                                |                      |
|------------------------------------|------------------------------------|--------------------------------|-----------------------------------------------------|--------------------------------|----------------------|
| CASE CODE                          | STYLE 1 AND 2<br>INSULATING SLEEVE |                                | STYLE 3 AND 7<br>INSULATING SLEEVE, COATED END SEAL |                                | TYPICAL WEIGHT       |
|                                    | D                                  | L                              | D                                                   | L                              |                      |
| GL                                 | 0.760 ± 0.020<br>[19.3 ± 0.51]     | 2.141 ± 0.062<br>[54.4 ± 1.57] | 0.760 ± 0.020<br>[19.3 ± 0.51]                      | 2.187 ± 0.062<br>[55.6 ± 1.57] | 0.74 oz.<br>(21.0 g) |
| GP                                 | 0.760 ± 0.020<br>[19.3 ± 0.51]     | 2.641 ± 0.062<br>[67.1 ± 1.57] | 0.760 ± 0.020<br>[19.3 ± 0.51]                      | 2.687 ± 0.062<br>[68.3 ± 1.57] | 0.88 oz.<br>(25.0 g) |
| GS                                 | 0.760 ± 0.020<br>[19.3 ± 0.51]     | 3.141 ± 0.062<br>[79.8 ± 1.57] | 0.760 ± 0.020<br>[19.3 ± 0.51]                      | 3.187 ± 0.062<br>[81.0 ± 1.57] | 1.16 oz.<br>(33.0 g) |
| GT                                 | 0.760 ± 0.020<br>[19.3 ± 0.51]     | 3.641 ± 0.062<br>[92.5 ± 1.57] | 0.760 ± 0.020<br>[19.3 ± 0.51]                      | 3.687 ± 0.062<br>[93.7 ± 1.57] | 1.33 oz.<br>(38.0 g) |
| HE                                 | 0.885 ± 0.020<br>[22.5 ± 0.51]     | 1.141 ± 0.062<br>[29.0 ± 1.57] | 0.885 ± 0.020<br>[22.5 ± 0.51]                      | 1.187 ± 0.062<br>[30.2 ± 1.57] | 0.63 oz.<br>(18.0 g) |
| HJ                                 | 0.885 ± 0.020<br>[22.5 ± 0.51]     | 1.641 ± 0.062<br>[41.7 ± 1.57] | 0.885 ± 0.020<br>[22.5 ± 0.51]                      | 1.687 ± 0.062<br>[42.9 ± 1.57] | 0.95 oz.<br>(27.0 g) |
| HL                                 | 0.885 ± 0.020<br>[22.5 ± 0.51]     | 2.141 ± 0.062<br>[54.4 ± 1.57] | 0.885 ± 0.020<br>[22.5 ± 0.51]                      | 2.187 ± 0.062<br>[55.6 ± 1.57] | 1.02 oz.<br>(29.0 g) |
| HP                                 | 0.885 ± 0.020<br>[22.5 ± 0.51]     | 2.641 ± 0.062<br>[67.1 ± 1.57] | 0.885 ± 0.020<br>[22.5 ± 0.51]                      | 2.687 ± 0.062<br>[68.3 ± 1.57] | 1.37 oz.<br>(39.0 g) |
| HS                                 | 0.885 ± 0.020<br>[22.5 ± 0.51]     | 3.141 ± 0.062<br>[79.8 ± 1.57] | 0.885 ± 0.020<br>[22.5 ± 0.51]                      | 3.187 ± 0.062<br>[81.0 ± 1.57] | 1.72 oz.<br>(49.0 g) |
| HT                                 | 0.885 ± 0.020<br>[22.5 ± 0.51]     | 3.641 ± 0.062<br>[92.5 ± 1.57] | 0.885 ± 0.020<br>[22.5 ± 0.51]                      | 3.687 ± 0.062<br>[93.7 ± 1.57] | 2.07 oz.<br>(59.0 g) |
| JE                                 | 1.010 ± 0.020<br>[25.7 ± 0.51]     | 1.141 ± 0.062<br>[29.0 ± 1.57] | 1.010 ± 0.020<br>[25.7 ± 0.51]                      | 1.187 ± 0.062<br>[30.2 ± 1.57] | 0.81 oz.<br>(23.0 g) |
| JJ                                 | 1.010 ± 0.020<br>[25.7 ± 0.51]     | 1.641 ± 0.062<br>[41.7 ± 1.57] | 1.010 ± 0.020<br>[25.7 ± 0.51]                      | 1.687 ± 0.062<br>[42.9 ± 1.57] | 1.02 oz.<br>(29.0 g) |
| JL                                 | 1.010 ± 0.020<br>[25.7 ± 0.51]     | 2.141 ± 0.062<br>[54.4 ± 1.57] | 1.010 ± 0.020<br>[25.7 ± 0.51]                      | 2.187 ± 0.062<br>[55.6 ± 1.57] | 1.54 oz.<br>(44.0 g) |
| JP                                 | 1.010 ± 0.020<br>[25.7 ± 0.51]     | 2.641 ± 0.062<br>[67.1 ± 1.57] | 1.010 ± 0.020<br>[25.7 ± 0.51]                      | 2.687 ± 0.062<br>[68.3 ± 1.57] | 1.86 oz.<br>(53.0 g) |
| JS                                 | 1.010 ± 0.020<br>[25.7 ± 0.51]     | 3.141 ± 0.062<br>[79.8 ± 1.57] | 1.010 ± 0.020<br>[25.7 ± 0.51]                      | 3.187 ± 0.062<br>[81.0 ± 1.57] | 2.21 oz.<br>(63.0 g) |
| JT                                 | 1.010 ± 0.020<br>[25.7 ± 0.51]     | 3.641 ± 0.062<br>[92.5 ± 1.57] | 1.010 ± 0.020<br>[25.7 ± 0.51]                      | 3.687 ± 0.062<br>[93.7 ± 1.57] | 2.52 oz.<br>(72.0 g) |

| DIMENSIONS AND AVAILABLE FORMS                                                                               |                                                                                                               |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Styles 1 and 2</b><br> | <b>Styles 3 and 7</b><br> |

| PART NUMBER INFORMATION     |                                                                                                  |                          |                                                                                  |                      |                                                                                                                                                                                                                                                   |
|-----------------------------|--------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>601D</b>                 | <b>158</b>                                                                                       | <b>F</b>                 | <b>6R3</b>                                                                       | <b>FE</b>            | <b>1</b>                                                                                                                                                                                                                                          |
| TYPE                        | CAPACITANCE                                                                                      | CAPACITANCE TOLERANCE    | DC VOLTAGE RATING                                                                | CASE CODE            | CASE STYLE                                                                                                                                                                                                                                        |
| Identifies the series name. | Expressed in pF. The first two digits are significant figures. The third is the number of zeros. | F = -10 % / +50 % (std.) | Expressed in volts. The letter "R" signifies a decimal point (i.e. 6R3 = 6.3 V). | See table Dimensions | 1 = PVC sleeve (std.)<br>2 = polyester sleeve<br>3 = polyester sleeve with epoxy end seal (required for exposure to halogenated cleaning solvents)<br>7 = PVC sleeve with epoxy end seal (required for exposure to halogenated cleaning solvents) |

**ORDERING EXAMPLE (1)**

Electrolytic capacitor 601D series: 601D158F050GL1

**Note**

(1) For lead (Pb)-free / RoHS compliant products add suffix "E3" to part number. Example: 601D158F050GL1E3

| ELECTRICAL DATA AND ORDERING INFORMATION    |                |                                    |                            |                                               |                                                 |
|---------------------------------------------|----------------|------------------------------------|----------------------------|-----------------------------------------------|-------------------------------------------------|
| CAPACITANCE<br>( $\mu$ F)                   | PART NUMBER    | NOMINAL CASE SIZE<br>D x L<br>(in) | LEAD DIAMETER<br>W<br>(in) | MAX. ESR<br>AT 120 Hz / 25 °C<br>( $\Omega$ ) | MAX. RIPPLE CURRENT<br>AT 120 Hz / 85 °C<br>(A) |
| 6.3 WV <sub>DC</sub> AT +85 °C, SURGE = 8 V |                |                                    |                            |                                               |                                                 |
| 1500                                        | 601D158F6R3FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 0.311                                         | 1.04                                            |
| 2700                                        | 601D278F6R3FJ1 | 0.625 x 1.625                      |                            | 0.148                                         | 1.76                                            |
| 3900                                        | 601D398F6R3FL1 | 0.625 x 2.125                      |                            | 0.098                                         | 2.41                                            |
| 5600                                        | 601D568F6R3FP1 | 0.625 x 2.625                      |                            | 0.074                                         | 3.05                                            |
| 6800                                        | 601D688F6R3FS1 | 0.625 x 3.125                      |                            | 0.060                                         | 3.66                                            |
| 8200                                        | 601D828F6R3FT1 | 0.625 x 3.625                      |                            | 0.051                                         | 4.26                                            |
| 2700                                        | 601D278F6R3GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 0.169                                         | 1.58                                            |
| 5600                                        | 601D568F6R3GJ1 | 0.750 x 1.625                      |                            | 0.083                                         | 2.60                                            |
| 8200                                        | 601D828F6R3GL1 | 0.750 x 2.125                      |                            | 0.057                                         | 3.52                                            |
| 10 000                                      | 601D109F6R3GP1 | 0.750 x 2.625                      |                            | 0.043                                         | 4.40                                            |
| 12 000                                      | 601D129F6R3GS1 | 0.750 x 3.125                      |                            | 0.037                                         | 5.13                                            |
| 15 000                                      | 601D159F6R3GT1 | 0.750 x 3.625                      |                            | 0.031                                         | 5.98                                            |
| 3900                                        | 601D398F6R3HE1 | 0.875 x 1.125                      |                            | 0.118                                         | 2.09                                            |
| 8200                                        | 601D828F6R3HJ1 | 0.875 x 1.625                      |                            | 0.059                                         | 3.38                                            |
| 12 000                                      | 601D129F6R3HL1 | 0.875 x 2.125                      |                            | 0.042                                         | 4.47                                            |
| 15 000                                      | 601D159F6R3HP1 | 0.875 x 2.625                      |                            | 0.033                                         | 5.54                                            |
| 18 000                                      | 601D189F6R3HS1 | 0.875 x 3.125                      |                            | 0.027                                         | 6.56                                            |
| 22 000                                      | 601D229F6R3HT1 | 0.875 x 3.625                      |                            | 0.023                                         | 7.52                                            |
| 5600                                        | 601D568F6R3JE1 | 1.000 x 1.125                      |                            | 0.093                                         | 2.57                                            |
| 10 000                                      | 601D109F6R3JJ1 | 1.000 x 1.625                      |                            | 0.049                                         | 4.05                                            |
| 18 000                                      | 601D189F6R3JL1 | 1.000 x 2.125                      |                            | 0.033                                         | 5.44                                            |
| 22 000                                      | 601D229F6R3JP1 | 1.000 x 2.625                      |                            | 0.026                                         | 6.72                                            |
| 27 000                                      | 601D279F6R3JS1 | 1.000 x 3.125                      |                            | 0.022                                         | 7.86                                            |
| 33 000                                      | 601D339F6R3JT1 | 1.000 x 3.625                      |                            | 0.019                                         | 8.98                                            |
| 10 WV <sub>DC</sub> AT +85 °C, SURGE = 15 V |                |                                    |                            |                                               |                                                 |
| 1000                                        | 601D108F010FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 0.332                                         | 1.00                                            |
| 2200                                        | 601D228F010FJ1 | 0.625 x 1.625                      |                            | 0.157                                         | 1.70                                            |
| 3300                                        | 601D338F010FL1 | 0.625 x 2.125                      |                            | 0.106                                         | 2.31                                            |
| 4700                                        | 601D478F010FP1 | 0.625 x 2.625                      |                            | 0.080                                         | 2.94                                            |
| 5600                                        | 601D568F010FS1 | 0.625 x 3.125                      |                            | 0.065                                         | 3.52                                            |
| 6800                                        | 601D686F010FT1 | 0.625 x 3.625                      |                            | 0.055                                         | 4.11                                            |
| 2200                                        | 601D228F010GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 0.182                                         | 1.53                                            |
| 3900                                        | 601D398F010GJ1 | 0.750 x 1.625                      |                            | 0.091                                         | 2.50                                            |
| 6800                                        | 601D688F010GL1 | 0.750 x 2.125                      |                            | 0.061                                         | 3.40                                            |
| 8200                                        | 601D828F010GP1 | 0.750 x 2.625                      |                            | 0.047                                         | 4.25                                            |
| 10 000                                      | 601D109F010GS1 | 0.750 x 3.125                      |                            | 0.041                                         | 5.00                                            |
| 12 000                                      | 601D129F010GT1 | 0.750 x 3.625                      |                            | 0.035                                         | 5.72                                            |
| 3300                                        | 601D338F010HE1 | 0.875 x 1.125                      |                            | 0.127                                         | 2.02                                            |
| 5600                                        | 601D568F010HJ1 | 0.875 x 1.625                      |                            | 0.064                                         | 3.26                                            |
| 8200                                        | 601D828F010HL1 | 0.875 x 2.125                      |                            | 0.044                                         | 4.38                                            |
| 12 000                                      | 601D129F010HP1 | 0.875 x 2.625                      |                            | 0.036                                         | 5.30                                            |
| 15 000                                      | 601D159F010HS1 | 0.875 x 3.125                      |                            | 0.029                                         | 6.43                                            |
| 18 000                                      | 601D189F010HT1 | 0.875 x 3.625                      |                            | 0.025                                         | 7.37                                            |
| 3900                                        | 601D398F010JE1 | 1.000 x 1.125                      |                            | 0.099                                         | 2.49                                            |
| 8200                                        | 601D828F010JJ1 | 1.000 x 1.625                      |                            | 0.050                                         | 4.00                                            |
| 13 000                                      | 601D139F010JL1 | 1.000 x 2.125                      |                            | 0.036                                         | 5.27                                            |
| 18 000                                      | 601D189F010JP1 | 1.000 x 2.625                      |                            | 0.028                                         | 6.45                                            |
| 22 000                                      | 601D229F010JS1 | 1.000 x 3.125                      |                            | 0.023                                         | 7.68                                            |
| 27 000                                      | 601D279F010JT1 | 1.000 x 3.625                      |                            | 0.020                                         | 8.75                                            |

**ELECTRICAL DATA AND ORDERING INFORMATION**

| CAPACITANCE<br>(μF)                         | PART NUMBER    | NOMINAL CASE SIZE<br>D x L<br>(in) | LEAD DIAMETER<br>W<br>(in) | MAX. ESR<br>AT 120 Hz / 25 °C<br>(Ω) | MAX. RIPPLE CURRENT<br>AT 120 Hz / 85 °C<br>(A) |
|---------------------------------------------|----------------|------------------------------------|----------------------------|--------------------------------------|-------------------------------------------------|
| 16 WV <sub>DC</sub> AT +85 °C, SURGE = 20 V |                |                                    |                            |                                      |                                                 |
| 820                                         | 601D827F016FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 0.349                                | 0.99                                            |
| 1800                                        | 601D188F016FJ1 | 0.625 x 1.625                      |                            | 0.175                                | 1.62                                            |
| 2700                                        | 601D278F016FL1 | 0.625 x 2.125                      |                            | 0.115                                | 2.23                                            |
| 3300                                        | 601D338F016FP1 | 0.625 x 2.625                      |                            | 0.087                                | 2.83                                            |
| 3900                                        | 601D398F016FS1 | 0.625 x 3.125                      |                            | 0.071                                | 3.37                                            |
| 4700                                        | 601D478F016FT1 | 0.625 x 3.625                      |                            | 0.060                                | 3.94                                            |
| 1500                                        | 601D158F016GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 0.198                                | 1.47                                            |
| 3300                                        | 601D338F016GJ1 | 0.750 x 1.625                      |                            | 0.098                                | 2.40                                            |
| 4700                                        | 601D478F016GL1 | 0.750 x 2.125                      |                            | 0.067                                | 3.26                                            |
| 5600                                        | 601D568F016GP1 | 0.750 x 2.625                      |                            | 0.051                                | 4.07                                            |
| 8200                                        | 601D828F016GS1 | 0.750 x 3.125                      |                            | 0.042                                | 4.87                                            |
| 10 000                                      | 601D109F016GT1 | 0.750 x 3.625                      |                            | 0.036                                | 5.64                                            |
| 2200                                        | 601D228F016HE1 | 0.875 x 1.125                      |                            | 0.139                                | 1.93                                            |
| 4700                                        | 601D478F016HJ1 | 0.875 x 1.625                      |                            | 0.070                                | 3.12                                            |
| 6800                                        | 601D688F016HL1 | 0.875 x 2.125                      |                            | 0.048                                | 4.20                                            |
| 10 000                                      | 601D109F016HP1 | 0.875 x 2.625                      |                            | 0.037                                | 5.23                                            |
| 12 000                                      | 601D129F016HS1 | 0.875 x 3.125                      |                            | 0.031                                | 6.19                                            |
| 15 000                                      | 601D159F016HT1 | 0.875 x 3.625                      |                            | 0.027                                | 7.06                                            |
| 3300                                        | 601D338F016JE1 | 1.000 x 1.125                      |                            | 0.108                                | 2.38                                            |
| 6800                                        | 601D688F016JJ1 | 1.000 x 1.625                      |                            | 0.055                                | 3.83                                            |
| 10 000                                      | 601D109F016JL1 | 1.000 x 2.125                      | 0.038                      | 5.10                                 |                                                 |
| 25 WV <sub>DC</sub> AT +85 °C, SURGE = 40 V |                |                                    |                            |                                      |                                                 |
| 560                                         | 601D567F025FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 0.383                                | 0.94                                            |
| 1000                                        | 601D108F025FJ1 | 0.625 x 1.625                      |                            | 0.198                                | 1.52                                            |
| 1500                                        | 601D158F025FL1 | 0.625 x 2.125                      |                            | 0.125                                | 2.14                                            |
| 2200                                        | 601D228F025FP1 | 0.625 x 2.625                      |                            | 0.096                                | 2.68                                            |
| 2700                                        | 601D278F025FS1 | 0.625 x 3.125                      |                            | 0.078                                | 3.22                                            |
| 3300                                        | 601D338F025FT1 | 0.625 x 3.625                      |                            | 0.065                                | 3.79                                            |
| 1000                                        | 601D108F025GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 0.213                                | 1.41                                            |
| 1800                                        | 601D188F025GJ1 | 0.750 x 1.625                      |                            | 0.110                                | 2.27                                            |
| 2700                                        | 601D278F025GL1 | 0.750 x 2.125                      |                            | 0.073                                | 3.11                                            |
| 3900                                        | 601D398F025GP1 | 0.750 x 2.625                      |                            | 0.056                                | 3.91                                            |
| 4700                                        | 601D478F025GS1 | 0.750 x 3.125                      |                            | 0.045                                | 4.68                                            |
| 5600                                        | 601D568F025GT1 | 0.750 x 3.625                      |                            | 0.038                                | 5.43                                            |
| 1500                                        | 601D158F025HE1 | 0.875 x 1.125                      |                            | 0.157                                | 1.81                                            |
| 2700                                        | 601D278F025HJ1 | 0.875 x 1.625                      |                            | 0.076                                | 2.98                                            |
| 3900                                        | 601D398F025HL1 | 0.875 x 2.125                      |                            | 0.052                                | 4.04                                            |
| 5600                                        | 601D568F025HP1 | 0.875 x 2.625                      |                            | 0.040                                | 5.04                                            |
| 6800                                        | 601D688F025HS1 | 0.875 x 3.125                      |                            | 0.033                                | 6.00                                            |
| 8200                                        | 601D828F025HT1 | 0.875 x 3.625                      |                            | 0.028                                | 6.91                                            |
| 1800                                        | 601D188F025JE1 | 1.000 x 1.125                      |                            | 0.117                                | 2.28                                            |
| 3900                                        | 601D398F025JJ1 | 1.000 x 1.625                      |                            | 0.059                                | 3.70                                            |
| 5600                                        | 601D568F025JL1 | 1.000 x 2.125                      |                            | 0.040                                | 4.96                                            |
| 8200                                        | 601D828F025JP1 | 1.000 x 2.625                      |                            | 0.031                                | 6.14                                            |
| 10 000                                      | 601D109F025JS1 | 1.000 x 3.125                      |                            | 0.027                                | 7.15                                            |
| 12 000                                      | 601D129F025JT1 | 1.000 x 3.625                      |                            | 0.023                                | 8.21                                            |

**ELECTRICAL DATA AND ORDERING INFORMATION**

| CAPACITANCE<br>(μF)                         | PART NUMBER    | NOMINAL CASE SIZE<br>D x L<br>(in) | LEAD DIAMETER<br>W<br>(in) | MAX. ESR<br>AT 120 Hz / 25 °C<br>(Ω) | MAX. RIPPLE CURRENT<br>AT 120 Hz / 85 °C<br>(A) |
|---------------------------------------------|----------------|------------------------------------|----------------------------|--------------------------------------|-------------------------------------------------|
| 35 WV <sub>DC</sub> AT +85 °C, SURGE = 50 V |                |                                    |                            |                                      |                                                 |
| 330                                         | 601D337F035FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 0.480                                | 0.84                                            |
| 680                                         | 601D687F035FJ1 | 0.625 x 1.625                      |                            | 0.231                                | 1.40                                            |
| 1000                                        | 601D108F035FL1 | 0.625 x 2.125                      |                            | 0.154                                | 1.93                                            |
| 1500                                        | 601D158F035FP1 | 0.625 x 2.625                      |                            | 0.118                                | 2.42                                            |
| 1800                                        | 601D188F035FS1 | 0.625 x 3.125                      |                            | 0.095                                | 2.91                                            |
| 2200                                        | 601D228F035FT1 | 0.625 x 3.625                      |                            | 0.080                                | 3.40                                            |
| 680                                         | 601D687F035GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 0.266                                | 1.26                                            |
| 1200                                        | 601D128F035GJ1 | 0.750 x 1.625                      |                            | 0.133                                | 2.06                                            |
| 2200                                        | 601D228F035GL1 | 0.750 x 2.125                      |                            | 0.087                                | 2.84                                            |
| 2700                                        | 601D278F035GP1 | 0.750 x 2.625                      |                            | 0.068                                | 3.52                                            |
| 3300                                        | 601D338F035GS1 | 0.750 x 3.125                      |                            | 0.054                                | 4.25                                            |
| 3900                                        | 601D398F035GT1 | 0.750 x 3.625                      |                            | 0.046                                | 4.95                                            |
| 1000                                        | 601D108F035HE1 | 0.875 x 1.125                      |                            | 0.182                                | 1.68                                            |
| 2200                                        | 601D228F035HJ1 | 0.875 x 1.625                      |                            | 0.091                                | 2.73                                            |
| 2700                                        | 601D278F035HL1 | 0.875 x 2.125                      |                            | 0.062                                | 3.67                                            |
| 3900                                        | 601D398F035HP1 | 0.875 x 2.625                      |                            | 0.047                                | 4.61                                            |
| 4700                                        | 601D478F035HS1 | 0.875 x 3.125                      |                            | 0.039                                | 5.46                                            |
| 5600                                        | 601D568F035HT1 | 0.875 x 3.625                      |                            | 0.033                                | 6.33                                            |
| 1200                                        | 601D128F035JE1 | 1.000 x 1.125                      |                            | 0.146                                | 2.04                                            |
| 2700                                        | 601D278F035JJ1 | 1.000 x 1.625                      |                            | 0.071                                | 3.35                                            |
| 3900                                        | 601D398F035JL1 | 1.000 x 2.125                      |                            | 0.048                                | 4.52                                            |
| 5600                                        | 601D568F035JP1 | 1.000 x 2.625                      |                            | 0.037                                | 5.62                                            |
| 6800                                        | 601D688F035JS1 | 1.000 x 3.125                      | 0.030                      | 6.66                                 |                                                 |
| 8200                                        | 601D828F035JT1 | 1.000 x 3.625                      | 0.026                      | 7.66                                 |                                                 |
| 50 WV <sub>DC</sub> AT +85 °C, SURGE = 75 V |                |                                    |                            |                                      |                                                 |
| 270                                         | 601D277F050FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 0.519                                | 0.81                                            |
| 470                                         | 601D477F050FJ1 | 0.625 x 1.625                      |                            | 0.249                                | 1.35                                            |
| 680                                         | 601D687F050FL1 | 0.625 x 2.125                      |                            | 0.165                                | 1.87                                            |
| 1000                                        | 601D108F050FP1 | 0.625 x 2.625                      |                            | 0.128                                | 2.33                                            |
| 1200                                        | 601D128F050FS1 | 0.625 x 3.125                      |                            | 0.107                                | 2.76                                            |
| 1500                                        | 601D158F050FT1 | 0.625 x 3.625                      |                            | 0.087                                | 3.28                                            |
| 470                                         | 601D477F050GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 0.285                                | 1.22                                            |
| 1000                                        | 601D108F050GJ1 | 0.750 x 1.625                      |                            | 0.139                                | 2.02                                            |
| 1500                                        | 601D158F050GL1 | 0.750 x 2.125                      |                            | 0.095                                | 2.73                                            |
| 1800                                        | 601D188F050GP1 | 0.750 x 2.625                      |                            | 0.071                                | 3.45                                            |
| 2200                                        | 601D228F050GS1 | 0.750 x 3.125                      |                            | 0.060                                | 4.08                                            |
| 2700                                        | 601D278F050GT1 | 0.750 x 3.625                      |                            | 0.050                                | 4.76                                            |
| 680                                         | 601D687F050HE1 | 0.875 x 1.125                      |                            | 0.196                                | 1.62                                            |
| 1500                                        | 601D158F050HJ1 | 0.875 x 1.625                      |                            | 0.099                                | 2.63                                            |
| 2200                                        | 601D228F050HL1 | 0.875 x 2.125                      |                            | 0.067                                | 3.55                                            |
| 2700                                        | 601D278F050HP1 | 0.875 x 2.625                      |                            | 0.051                                | 4.44                                            |
| 3300                                        | 601D338F050HS1 | 0.875 x 3.125                      |                            | 0.042                                | 5.28                                            |
| 3900                                        | 601D398F050HT1 | 0.875 x 3.625                      |                            | 0.036                                | 6.12                                            |
| 1000                                        | 601D108F050JE1 | 1.000 x 1.125                      |                            | 0.148                                | 2.03                                            |
| 1800                                        | 601D188F050JJ1 | 1.000 x 1.625                      |                            | 0.077                                | 3.23                                            |
| 2700                                        | 601D278F050JL1 | 1.000 x 2.125                      |                            | 0.052                                | 4.37                                            |
| 3900                                        | 601D398F050JP1 | 1.000 x 2.625                      |                            | 0.040                                | 5.44                                            |
| 4700                                        | 601D478F050JS1 | 1.000 x 3.125                      |                            | 0.033                                | 6.47                                            |
| 5600                                        | 601D568F050JT1 | 1.000 x 3.625                      |                            | 0.028                                | 7.45                                            |

**ELECTRICAL DATA AND ORDERING INFORMATION**

| CAPACITANCE<br>(μF)                           | PART NUMBER    | NOMINAL CASE SIZE<br>D x L<br>(in) | LEAD DIAMETER<br>W<br>(in) | MAX. ESR<br>AT 120 Hz / 25 °C<br>(Ω) | MAX. RIPPLE CURRENT<br>AT 120 Hz / 85 °C<br>(A) |
|-----------------------------------------------|----------------|------------------------------------|----------------------------|--------------------------------------|-------------------------------------------------|
| 63 WV <sub>DC</sub> AT +85 °C, SURGE = 90 V   |                |                                    |                            |                                      |                                                 |
| 220                                           | 601D227F063FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 0.563                                | 0.78                                            |
| 470                                           | 601D477F063FJ1 | 0.625 x 1.625                      |                            | 0.269                                | 1.30                                            |
| 680                                           | 601D687F063FL1 | 0.625 x 2.125                      |                            | 0.178                                | 1.80                                            |
| 820                                           | 601D827F063FP1 | 0.625 x 2.625                      |                            | 0.134                                | 2.27                                            |
| 1000                                          | 601D108F063FS1 | 0.625 x 3.125                      |                            | 0.111                                | 2.70                                            |
| 1200                                          | 601D128F063FT1 | 0.625 x 3.625                      |                            | 0.095                                | 3.13                                            |
| 390                                           | 601D397F063GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 0.304                                | 1.18                                            |
| 820                                           | 601D827F063GJ1 | 0.750 x 1.625                      |                            | 0.150                                | 1.94                                            |
| 1200                                          | 601D128F063GL1 | 0.750 x 2.125                      |                            | 0.105                                | 2.59                                            |
| 1500                                          | 601D158F063GP1 | 0.750 x 2.625                      |                            | 0.080                                | 3.26                                            |
| 1800                                          | 601D188F063GS1 | 0.750 x 3.125                      |                            | 0.062                                | 3.99                                            |
| 2200                                          | 601D228F063GT1 | 0.750 x 3.625                      |                            | 0.053                                | 4.62                                            |
| 680                                           | 601D687F063HE1 | 0.875 x 1.125                      |                            | 0.210                                | 1.57                                            |
| 1200                                          | 601D128G063HJ1 | 0.875 x 1.625                      |                            | 0.109                                | 2.50                                            |
| 1800                                          | 601D188F063HL1 | 0.875 x 2.125                      |                            | 0.070                                | 3.47                                            |
| 2200                                          | 601D228F063HP1 | 0.875 x 2.625                      |                            | 0.054                                | 4.31                                            |
| 2700                                          | 601D278F063HS1 | 0.875 x 3.125                      |                            | 0.045                                | 5.12                                            |
| 3900                                          | 601D398F063HT1 | 0.875 x 3.625                      |                            | 0.038                                | 5.98                                            |
| 820                                           | 601D827F063JE1 | 1.000 x 1.125                      |                            | 0.158                                | 1.97                                            |
| 1800                                          | 601D188F063JJ1 | 1.000 x 1.625                      |                            | 0.081                                | 3.14                                            |
| 2700                                          | 601D278F063JL1 | 1.000 x 2.125                      |                            | 0.055                                | 4.25                                            |
| 3300                                          | 601D338F063JP1 | 1.000 x 2.625                      |                            | 0.042                                | 5.31                                            |
| 3900                                          | 601D398F063JS1 | 1.000 x 3.125                      |                            | 0.034                                | 6.31                                            |
| 4700                                          | 601D478F063JT1 | 1.000 x 3.625                      |                            | 0.029                                | 7.29                                            |
| 100 WV <sub>DC</sub> AT +85 °C, SURGE = 150 V |                |                                    |                            |                                      |                                                 |
| 68                                            | 601D686F100FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 1.714                                | 0.444                                           |
| 120                                           | 601D127F100FJ1 | 0.625 x 1.625                      |                            | 0.869                                | 0.725                                           |
| 180                                           | 601D187F100FL1 | 0.625 x 2.125                      |                            | 0.561                                | 1.010                                           |
| 270                                           | 601D277F100FP1 | 0.625 x 2.625                      |                            | 0.415                                | 1.290                                           |
| 330                                           | 601D337F100FS1 | 0.625 x 3.125                      |                            | 0.330                                | 1.570                                           |
| 390                                           | 601D397F100FT1 | 0.625 x 3.625                      |                            | 0.274                                | 1.840                                           |
| 120                                           | 601D127F100GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 0.986                                | 0.656                                           |
| 270                                           | 601D277F100GJ1 | 0.750 x 1.625                      |                            | 0.461                                | 1.110                                           |
| 390                                           | 601D387F100GL1 | 0.750 x 2.125                      |                            | 0.302                                | 1.530                                           |
| 470                                           | 601D477F100GP1 | 0.750 x 2.625                      |                            | 0.230                                | 1.920                                           |
| 560                                           | 601D567F100GS1 | 0.750 x 3.125                      |                            | 0.183                                | 2.330                                           |
| 680                                           | 601D687F100GT1 | 0.750 x 3.625                      |                            | 0.152                                | 2.730                                           |
| 180                                           | 601D187F100HE1 | 0.875 x 1.125                      |                            | 0.632                                | 0.903                                           |
| 390                                           | 601D397F100HJ1 | 0.875 x 1.625                      |                            | 0.308                                | 1.490                                           |
| 560                                           | 601D567F100HL1 | 0.875 x 2.125                      |                            | 0.205                                | 2.030                                           |
| 680                                           | 601D687F100HP1 | 0.875 x 2.625                      |                            | 0.155                                | 2.560                                           |
| 820                                           | 601D827F100HS1 | 0.875 x 3.125                      |                            | 0.124                                | 3.080                                           |
| 1000                                          | 601D108F100HT1 | 0.875 x 3.625                      |                            | 0.108                                | 3.530                                           |
| 270                                           | 601D277F100JE1 | 1.000 x 1.125                      |                            | 0.469                                | 1.140                                           |
| 470                                           | 601D477F100JJ1 | 1.000 x 1.625                      |                            | 0.226                                | 1.880                                           |
| 820                                           | 601D827F100JL1 | 1.000 x 2.125                      |                            | 0.152                                | 2.560                                           |
| 1000                                          | 601D108F100JP1 | 1.000 x 2.625                      |                            | 0.120                                | 3.140                                           |
| 1200                                          | 601D128F100JS1 | 1.000 x 3.125                      |                            | 0.093                                | 3.830                                           |
| 1500                                          | 601D157F100JT1 | 1.000 x 3.625                      |                            | 0.081                                | 4.370                                           |

**ELECTRICAL DATA AND ORDERING INFORMATION**

| CAPACITANCE<br>(μF)                           | PART NUMBER    | NOMINAL CASE SIZE<br>D x L<br>(in) | LEAD DIAMETER<br>W<br>(in) | MAX. ESR<br>AT 120 Hz / 25 °C<br>(Ω) | MAX. RIPPLE CURRENT<br>AT 120 Hz / 85 °C<br>(A) |
|-----------------------------------------------|----------------|------------------------------------|----------------------------|--------------------------------------|-------------------------------------------------|
| 150 WV <sub>DC</sub> AT +85 °C, SURGE = 200 V |                |                                    |                            |                                      |                                                 |
| 33                                            | 601D336F150FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 3.518                                | 0.310                                           |
| 68                                            | 601D686F150FJ1 | 0.625 x 1.625                      |                            | 1.677                                | 0.522                                           |
| 100                                           | 601D107F150FL1 | 0.625 x 2.125                      |                            | 1.114                                | 0.718                                           |
| 120                                           | 601D127F150FP1 | 0.625 x 2.625                      |                            | 0.842                                | 0.907                                           |
| 150                                           | 601D157F150FS1 | 0.625 x 3.125                      |                            | 0.672                                | 1.100                                           |
| 180                                           | 601D187F150FT1 | 0.625 x 3.625                      |                            | 0.560                                | 1.290                                           |
| 56                                            | 601D566F150GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 2.089                                | 0.451                                           |
| 100                                           | 601D107F150GJ1 | 0.750 x 1.625                      |                            | 1.033                                | 0.740                                           |
| 150                                           | 601D157F150GL1 | 0.750 x 2.125                      |                            | 0.683                                | 1.020                                           |
| 220                                           | 601D227F150GP1 | 0.750 x 2.625                      |                            | 0.511                                | 1.290                                           |
| 270                                           | 601D277F150GS1 | 0.750 x 3.125                      |                            | 0.409                                | 1.560                                           |
| 330                                           | 601D337F150GT1 | 0.750 x 3.625                      |                            | 0.341                                | 1.820                                           |
| 82                                            | 601D826F150HE1 | 0.875 x 1.125                      |                            | 1.395                                | 0.608                                           |
| 150                                           | 601D157F150HJ1 | 0.875 x 1.625                      |                            | 0.695                                | 0.989                                           |
| 270                                           | 601D277F150HL1 | 0.875 x 2.125                      |                            | 0.451                                | 1.370                                           |
| 330                                           | 601D337F150HP1 | 0.875 x 2.625                      |                            | 0.345                                | 1.710                                           |
| 390                                           | 601D397F150HS1 | 0.875 x 3.125                      |                            | 0.273                                | 2.080                                           |
| 470                                           | 601D477F150HT1 | 0.875 x 3.625                      |                            | 0.226                                | 2.440                                           |
| 100                                           | 601D107F150JE1 | 1.000 x 1.125                      |                            | 1.082                                | 0.753                                           |
| 220                                           | 601D227F150JJ1 | 1.000 x 1.625                      |                            | 0.502                                | 1.260                                           |
| 330                                           | 601D337F150JL1 | 1.000 x 2.125                      |                            | 0.328                                | 1.740                                           |
| 470                                           | 601D477F150JP1 | 1.000 x 2.625                      |                            | 0.244                                | 2.200                                           |
| 560                                           | 601D567F150JS1 | 1.000 x 3.125                      | 0.195                      | 2.650                                |                                                 |
| 680                                           | 601D687F150JT1 | 1.000 x 3.625                      | 0.165                      | 3.070                                |                                                 |
| 200 WV <sub>DC</sub> AT +85 °C, SURGE = 250 V |                |                                    |                            |                                      |                                                 |
| 27                                            | 601D276F200FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 3.985                                | 0.292                                           |
| 56                                            | 601D566F200FJ1 | 0.625 x 1.625                      |                            | 1.892                                | 0.491                                           |
| 82                                            | 601D826F200FL1 | 0.625 x 2.125                      |                            | 1.242                                | 0.680                                           |
| 100                                           | 601D107F200FP1 | 0.625 x 2.625                      |                            | 0.925                                | 0.865                                           |
| 120                                           | 601D127F200FS1 | 0.625 x 3.125                      |                            | 0.761                                | 1.032                                           |
| 150                                           | 601D157F200FT1 | 0.625 x 3.625                      |                            | 0.651                                | 1.190                                           |
| 47                                            | 601D476F200GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 2.354                                | 0.424                                           |
| 82                                            | 601D826F200GJ1 | 0.750 x 1.625                      |                            | 1.142                                | 0.704                                           |
| 120                                           | 601D127F200GL1 | 0.750 x 2.125                      |                            | 0.774                                | 0.956                                           |
| 180                                           | 601D187F200GP1 | 0.750 x 2.625                      |                            | 0.578                                | 1.210                                           |
| 220                                           | 601D227F200GS1 | 0.750 x 3.125                      |                            | 0.462                                | 1.460                                           |
| 270                                           | 601D277F200GT1 | 0.750 x 3.625                      |                            | 0.385                                | 1.710                                           |
| 120                                           | 601D127F200HJ1 | 0.875 x 1.625                      |                            | 0.787                                | 0.930                                           |
| 180                                           | 601D187F200HL1 | 0.875 x 2.125                      |                            | 0.521                                | 1.270                                           |
| 270                                           | 601D277F200HP1 | 0.875 x 2.625                      |                            | 0.390                                | 1.610                                           |
| 330                                           | 601D337F200HS1 | 0.875 x 3.125                      |                            | 0.302                                | 1.970                                           |
| 390                                           | 601D397F200HT1 | 0.875 x 3.625                      |                            | 0.254                                | 2.300                                           |
| 82                                            | 601D826F200JE1 | 1.000 x 1.125                      |                            | 1.128                                | 0.737                                           |
| 180                                           | 601D187F200JJ1 | 1.000 x 1.625                      |                            | 0.560                                | 1.200                                           |
| 270                                           | 601D277F200JL1 | 1.000 x 2.125                      |                            | 0.365                                | 1.650                                           |
| 390                                           | 601D397F200JP1 | 1.000 x 2.625                      |                            | 0.278                                | 2.060                                           |
| 470                                           | 601D477F200JS1 | 1.000 x 3.125                      |                            | 0.221                                | 2.490                                           |
| 560                                           | 601D567F200JT1 | 1.000 x 3.625                      | 0.183                      | 2.910                                |                                                 |

**ELECTRICAL DATA AND ORDERING INFORMATION**

| CAPACITANCE<br>(μF)                           | PART NUMBER    | NOMINAL CASE SIZE<br>D x L<br>(in) | LEAD DIAMETER<br>W<br>(in) | MAX. ESR<br>AT 120 Hz / 25 °C<br>(Ω) | MAX. RIPPLE CURRENT<br>AT 120 Hz / 85 °C<br>(A) |
|-----------------------------------------------|----------------|------------------------------------|----------------------------|--------------------------------------|-------------------------------------------------|
| 250 WV <sub>DC</sub> AT +85 °C, SURGE = 300 V |                |                                    |                            |                                      |                                                 |
| 15                                            | 601D156F250FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 7.136                                | 0.22                                            |
| 33                                            | 601D336F250FJ1 | 0.625 x 1.625                      |                            | 3.228                                | 0.38                                            |
| 47                                            | 601D476F250FL1 | 0.625 x 2.125                      |                            | 2.132                                | 0.52                                            |
| 68                                            | 601D686F250FP1 | 0.625 x 2.625                      |                            | 1.591                                | 0.66                                            |
| 82                                            | 601D826F250FS1 | 0.625 x 3.125                      |                            | 1.270                                | 0.80                                            |
| 100                                           | 601D107F250FT1 | 0.625 x 3.625                      |                            | 1.057                                | 0.94                                            |
| 27                                            | 601D276F250GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 3.614                                | 0.34                                            |
| 56                                            | 601D566F250GJ1 | 0.750 x 1.625                      |                            | 1.721                                | 0.57                                            |
| 100                                           | 601D107F250GL1 | 0.750 x 2.125                      |                            | 1.130                                | 0.79                                            |
| 120                                           | 601D127F250GP1 | 0.750 x 2.625                      |                            | 0.880                                | 0.98                                            |
| 150                                           | 601D157F250GS1 | 0.750 x 3.125                      |                            | 0.690                                | 1.20                                            |
| 180                                           | 601D187F250GT1 | 0.750 x 3.625                      |                            | 0.568                                | 1.41                                            |
| 47                                            | 601D476F250HE1 | 0.875 x 1.125                      |                            | 2.369                                | 0.47                                            |
| 100                                           | 601D107F250HJ1 | 0.875 x 1.625                      |                            | 1.148                                | 0.77                                            |
| 150                                           | 601D157F250HL1 | 0.875 x 2.125                      |                            | 0.753                                | 1.06                                            |
| 180                                           | 601D187F250HP1 | 0.875 x 2.625                      |                            | 0.574                                | 1.33                                            |
| 220                                           | 601D227F250HS1 | 0.875 x 3.125                      |                            | 0.464                                | 1.59                                            |
| 270                                           | 601D277F250HT1 | 0.875 x 3.625                      |                            | 0.375                                | 1.89                                            |
| 56                                            | 601D566F250JE1 | 1.000 x 1.125                      |                            | 1.708                                | 0.60                                            |
| 120                                           | 601D127F250JJ1 | 1.000 x 1.625                      |                            | 0.829                                | 0.98                                            |
| 180                                           | 601D187F250JL1 | 1.000 x 2.125                      |                            | 0.548                                | 1.34                                            |
| 270                                           | 601D277F250JP1 | 1.000 x 2.625                      |                            | 0.410                                | 1.69                                            |
| 330                                           | 601D337F250JS1 | 1.000 x 3.125                      |                            | 0.328                                | 2.04                                            |
| 390                                           | 601D397F250JT1 | 1.000 x 3.625                      |                            | 0.274                                | 2.38                                            |
| 300 WV <sub>DC</sub> AT +85 °C, SURGE = 350 V |                |                                    |                            |                                      |                                                 |
| 12                                            | 601D126F300FE1 | 0.625 x 1.125                      | No. 20 AWG (0.032)         | 8.217                                | 0.20                                            |
| 27                                            | 601D276F300FJ1 | 0.625 x 1.625                      |                            | 3.809                                | 0.35                                            |
| 39                                            | 601D396F300FL1 | 0.625 x 2.125                      |                            | 2.479                                | 0.48                                            |
| 47                                            | 601D476F300FP1 | 0.625 x 2.625                      |                            | 1.839                                | 0.61                                            |
| 56                                            | 601D566F300FS1 | 0.625 x 3.125                      |                            | 1.461                                | 0.75                                            |
| 68                                            | 601D686F300FT1 | 0.625 x 3.625                      |                            | 1.231                                | 0.87                                            |
| 22                                            | 601D226F300GE1 | 0.750 x 1.125                      | No. 18 AWG (0.040)         | 4.164                                | 0.32                                            |
| 47                                            | 601D476F300GJ1 | 0.750 x 1.625                      |                            | 1.931                                | 0.54                                            |
| 68                                            | 601D686F300GL1 | 0.750 x 2.125                      |                            | 1.294                                | 0.74                                            |
| 100                                           | 601D107F300GP1 | 0.750 x 2.625                      |                            | 0.953                                | 0.94                                            |
| 120                                           | 601D127F300GS1 | 0.750 x 3.125                      |                            | 0.795                                | 1.12                                            |
| 150                                           | 601D157F300GT1 | 0.750 x 3.625                      |                            | 0.672                                | 1.30                                            |
| 33                                            | 601D336F300HE1 | 0.875 x 1.125                      |                            | 2.712                                | 0.44                                            |
| 68                                            | 601D686F300HJ1 | 0.875 x 1.625                      |                            | 1.296                                | 0.72                                            |
| 100                                           | 601D107F300HL1 | 0.875 x 2.125                      |                            | 0.886                                | 0.98                                            |
| 150                                           | 601D157F300HP1 | 0.875 x 2.625                      |                            | 0.679                                | 1.22                                            |
| 180                                           | 601D187F300HS1 | 0.875 x 3.125                      |                            | 0.519                                | 1.50                                            |
| 220                                           | 601D227F300HT1 | 0.875 x 3.625                      |                            | 0.441                                | 1.74                                            |
| 47                                            | 601D476F300JE1 | 1.000 x 1.125                      |                            | 1.973                                | 0.56                                            |
| 100                                           | 601D107F300JJ1 | 1.000 x 1.625                      |                            | 0.947                                | 0.92                                            |
| 150                                           | 601D157F300JL1 | 1.000 x 2.125                      |                            | 0.637                                | 1.25                                            |
| 180                                           | 601D187F300JP1 | 1.000 x 2.625                      |                            | 0.468                                | 1.59                                            |
| 220                                           | 601D227F300JS1 | 1.000 x 3.125                      |                            | 0.386                                | 1.88                                            |
| 270                                           | 601D277F300JT1 | 1.000 x 3.625                      |                            | 0.318                                | 2.21                                            |

Statements about product lifetime are based on calculations and internal testing. They should only be interpreted as estimations. Also due to external factors, the lifetime in the field application may deviate from the calculated lifetime. In general, nothing stated herein shall be construed as a guarantee of durability.



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