

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



### FEATURES

- Temperature range - 55 °C to + 105 °C
- Long life
- Low ESR
- 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 | $\Delta$ CAP ≤ 15 % from initial measurement.<br>$\Delta$ ESR ≤ 1.25 x initial specified limit.<br>$\Delta$ DCL ≤ initial specified limit.       |
| Shelf life<br>500 h at 105 °C            | $\Delta$ CAP ≤ 10 % from initial measurement.<br>$\Delta$ ESR ≤ 1.15 x initial specified limit.<br>$\Delta$ DCL ≤ 2.0 x initial specified limit. |
| DC leakage current                       | $I = K\sqrt{CV}$<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 INSULATING SLEEVE |                                | STYLE 3 AND 7 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) |

| <b>DIMENSIONS</b> 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) |



| <b>PART NUMBER INFORMATION</b> |  |                            |  |                      |   |
|--------------------------------|--|----------------------------|--|----------------------|---|
| 601D<br>TYPE                   | 158<br>CAPACITANCE   | F<br>CAPACITANCE TOLERANCE | 6R3<br>DC VOLTAGE RATING   | FE<br>CASE CODE      | 1<br>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: 601D158F050GLE3

| ELECTRICAL DATA AND ORDERING INFORMATION           |                |                              |                      |                              |   |
|--|----------------|------------------------------|----------------------|------------------------------|---|
| CAPACITANCE (µF)                                   | PART NUMBER    | NOMINAL CASE SIZE D x L (in) | LEAD DIAMETER W (in) | MAX. ESR AT 120 Hz/25 °C (Ω) | MAX. RIPPLE CURRENT AT 120 Hz/85 °C (A) |
| <b>6.3 WV<sub>DC</sub> AT + 85 °C, SURGE = 8 V</b> |                |                              |                      |                              |   |
| 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                         |   |
| <b>10 WV<sub>DC</sub> AT + 85 °C, SURGE = 15 V</b> |                |                              |                      |                              |   |
| 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                         |   |



| <b>ELECTRICAL DATA AND ORDERING INFORMATION</b>    |                    |   |                                     |   |  |
|--|--------------------|---|-------------------------------------|---|--|
| <b>CAPACITANCE<br/>(<math>\mu</math>F)</b>         | <b>PART NUMBER</b> | <b>NOMINAL CASE SIZE<br/>D x L<br/>(in)</b> | <b>LEAD DIAMETER<br/>W<br/>(in)</b> | <b>MAX. ESR<br/>AT 120 Hz/25 °C<br/>(<math>\Omega</math>)</b> | <b>MAX. RIPPLE CURRENT<br/>AT 120 Hz/85 °C<br/>(A)</b> |
| <b>16 WV<sub>DC</sub> AT + 85 °C, SURGE = 20 V</b> |                    |   |                                     |   |  |
| 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  |  |
| <b>25 WV<sub>DC</sub> AT + 85 °C, SURGE = 40 V</b> |                    |   |                                     |   |  |
| 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  |  |



| <b>ELECTRICAL DATA AND ORDERING INFORMATION</b>    |                    |   |                                     |   |  |
|--|--------------------|---|-------------------------------------|---|--|
| <b>CAPACITANCE<br/>(<math>\mu</math>F)</b>         | <b>PART NUMBER</b> | <b>NOMINAL CASE SIZE<br/>D x L<br/>(in)</b> | <b>LEAD DIAMETER<br/>W<br/>(in)</b> | <b>MAX. ESR<br/>AT 120 Hz/25 °C<br/>(<math>\Omega</math>)</b> | <b>MAX. RIPPLE CURRENT<br/>AT 120 Hz/85 °C<br/>(A)</b> |
| <b>35 WV<sub>DC</sub> AT + 85 °C, SURGE = 50 V</b> |                    |   |                                     |   |  |
| 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  |  |
| <b>50 WV<sub>DC</sub> AT + 85 °C, SURGE = 75 V</b> |                    |   |                                     |   |  |
| 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  |  |



| <b>ELECTRICAL DATA AND ORDERING INFORMATION</b>      |                    |   |                                     |   |  |
|--|--------------------|---|-------------------------------------|---|--|
| <b>CAPACITANCE<br/>(<math>\mu</math>F)</b>           | <b>PART NUMBER</b> | <b>NOMINAL CASE SIZE<br/>D x L<br/>(in)</b> | <b>LEAD DIAMETER<br/>W<br/>(in)</b> | <b>MAX. ESR<br/>AT 120 Hz/25 °C<br/>(<math>\Omega</math>)</b> | <b>MAX. RIPPLE CURRENT<br/>AT 120 Hz/85 °C<br/>(A)</b> |
| <b>63 WV<sub>DC</sub> AT + 85 °C, SURGE = 90 V</b>   |                    |   |                                     |   |  |
| 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  |  |
| <b>100 WV<sub>DC</sub> AT + 85 °C, SURGE = 150 V</b> |                    |   |                                     |   |  |
| 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   |  |



| <b>ELECTRICAL DATA AND ORDERING INFORMATION</b>      |                    |   |                                     |   |  |
|--|--------------------|---|-------------------------------------|---|--|
| <b>CAPACITANCE<br/>(<math>\mu</math>F)</b>           | <b>PART NUMBER</b> | <b>NOMINAL CASE SIZE<br/>D x L<br/>(in)</b> | <b>LEAD DIAMETER<br/>W<br/>(in)</b> | <b>MAX. ESR<br/>AT 120 Hz/25 °C<br/>(<math>\Omega</math>)</b> | <b>MAX. RIPPLE CURRENT<br/>AT 120 Hz/85 °C<br/>(A)</b> |
| <b>150 WV<sub>DC</sub> AT + 85 °C, SURGE = 200 V</b> |                    |   |                                     |   |  |
| 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  | 601D566F150JS1     | 1.000 x 3.125                               | 0.195                               | 2.650   |  |
| 680  | 601D687F150JT1     | 1.000 x 3.625                               | 0.165                               | 3.070   |  |
| <b>200 WV<sub>DC</sub> AT + 85 °C, SURGE = 250 V</b> |                    |   |                                     |   |  |
| 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   |  |



| <b>ELECTRICAL DATA AND ORDERING INFORMATION</b>      |                    |   |                                     |   |  |
|--|--------------------|---|-------------------------------------|---|--|
| <b>CAPACITANCE<br/>(<math>\mu</math>F)</b>           | <b>PART NUMBER</b> | <b>NOMINAL CASE SIZE<br/>D x L<br/>(in)</b> | <b>LEAD DIAMETER<br/>W<br/>(in)</b> | <b>MAX. ESR<br/>AT 120 Hz/25 °C<br/>(<math>\Omega</math>)</b> | <b>MAX. RIPPLE CURRENT<br/>AT 120 Hz/85 °C<br/>(A)</b> |
| <b>250 WV<sub>DC</sub> AT + 85 °C, SURGE = 300 V</b> |                    |   |                                     |   |  |
| 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   |
| <b>300 WV<sub>DC</sub> AT + 85 °C, SURGE = 350 V</b> |                    |   |                                     |   |  |
| 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   |





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