

+105°C Tubular Axial Lead Aluminum Capacitors

Features-

- Wide Temperature Range
- Military Version – Mil-PRF-39018/03
- Long Life
- Low ESR

General Specifications-

Operating Temperature:
-55 to +105°C

Voltage Range:
6.3 – 300 VDC

Capacitance Range:
12µF to 33,000µF

Capacitance Tolerance:
-10%/+50% (Std.)

Case Size Range:
0.625" X 1.125" – 1.000" X 3.625"

Termination:
Axial Leads.

Life Validation Test: 2,000hrs @ +105°C
 Δ CAP ≤ 15% From initial measurement.
 Δ ESR ≤ 1.25X Initial specified limit.
 Δ DCL ≤ Initial specified limit.

Shelf Test: 500hrs @ +105°C
 Δ CAP ≤ 10% From initial measurement.
 Δ ESR ≤ 1.15X Initial specified limit.
 Δ DCL ≤ 2.0X Initial specified limit.

DC Leakage Current: (After 5 min. charge)

$$I = k\sqrt{CV};$$

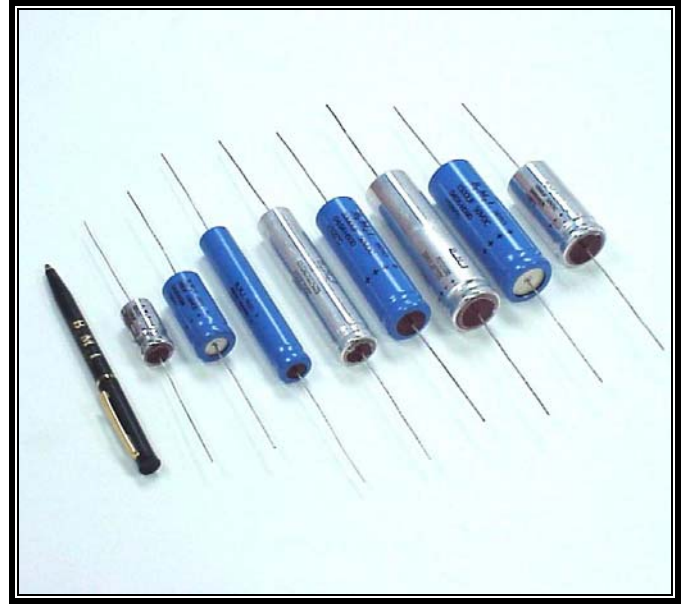
k = 0.5 @ +25°C; k = 3.0 @ +105°C

Where:

I is in µA

C is in µF

V is in Volts



Ripple Current Multipliers:

Temperature:

| Ambient Temp. | Multiplier |
|---------------|------------|
| +105°C | 0.40 |
| +85°C | 1.00 |
| +75°C | 1.41 |
| +65°C | 1.70 |
| +45°C | 2.00 |
| +25°C | 2.65 |

Frequency (Hz)

| Rated Voltage (VDC) | 50 – 60 | 300 – 400 | 1k & Up |
|---------------------|---------|-----------|---------|
| 0 – 60 | 0.85 | 1.10 | 1.15 |
| 61 – 250 | 0.83 | 1.15 | 1.20 |

Low Temperature Performance:

Capacitance Ratio $C^{-55°C}/C^{+25°C}$ min. @ 120Hz.

| Rated Voltage (VDC) | Capacitance Remaining |
|---------------------|-----------------------|
| 0 – 25 | 75% |
| 26 – 100 | 80% |
| 101 – 250 | 85% |

ESR Ratio $ESR^{-55°C}/ESR^{+25°C}$ min. @ 120Hz

| Rated Voltage (VDC) | Multiplier |
|---------------------|------------|
| 0 – 9 | 10 |
| 10 – 40 | 12 |
| 41 – 100 | 18 |
| 150 – 300 | 100 |

PART NUMBER BREAK-DOWN:

| | | | | | | |
|-------------|------------|----------|------------|-----------|----------|---|
| 601D | 158 | F | 6R3 | FE | 1 | |
| | | | | | | CASE STYLE: 1 = P.V.C. SLEEVE (STD.) 2 = POLYESTER SLEEVE 3 = POLYESTER SLEEVE WITH EPOXY END SEAL (REQ'D FOR EXPOSURE TO HALOGENATED CLEANING SOLVENTS.) 7 = P.V.C. SLEEVE w/ EPOXY END SEAL (REQ'D FOR EXPOSURE TO HALOGENATED CLEANING SOLVENTS.) |
| | | | | | | CASE CODE: (SEE TABLE 1.) |
| | | | | | | DC VOLTAGE RATING: EXPRESSED IN VOLTS. THE LETTER "R" SIGNIFIES A DECIMAL POINT. (ie. 6R3 = 6.3 VOLTS.) |
| | | | | | | CAPACITANCE TOLERANCE: F = -10%/+50% (STD.) |
| | | | | | | CAPACITANCE: EXPRESSED IN PICO FARADS. THE FIRST TWO DIGITS ARE SIGNIFICANT FIGURES, THE THIRD IS THE NUMBER OF ZEROS. |
| | | | | | | BMI TYPE #: IDENTIFIES THE BASIC CAPACITOR DESIGN. |

Axial-Leaded Capacitor Dimensions

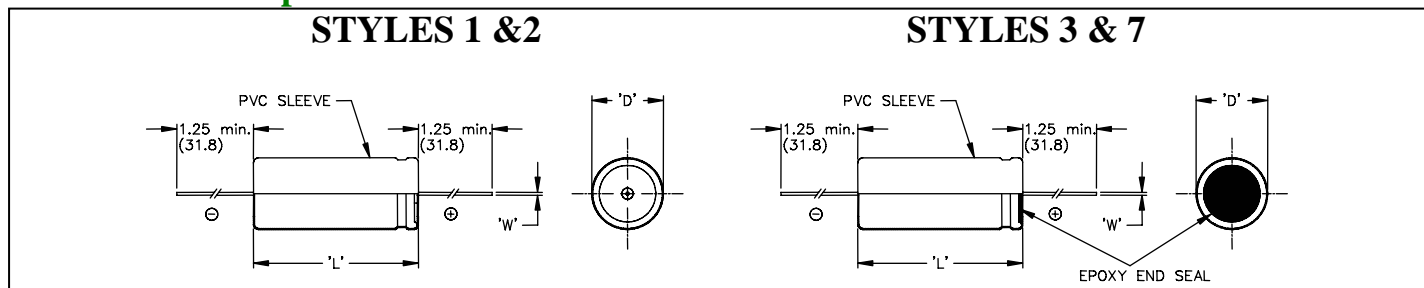


Table 1. Case Dimensions mm(in.)

| CASE CODE | NOMINAL | | STYLES 1 & 2 | | STYLES 3 & 7 | | WIRE GAUGE 'W' |
|-----------|---------------|---------------|------------------------|------------------------|------------------------|------------------------|---------------------|
| | 'D' | 'L' | 'D' ± 0.51 (±0.020) | 'L' ± 1.58 (±0.062) | 'D' ± 0.51 (±0.020) | 'L' ± 1.58 (±0.062) | |
| FE | 15.88 (0.625) | 28.58 (1.125) | 16.13 (0.635) | 28.98 (1.141) | 16.13 (0.635) | 30.15 (1.187) | No. 20 AWG (0.032") |
| FJ | 15.88 (0.625) | 41.28 (1.625) | 16.13 (0.635) | 41.68 (1.641) | 16.13 (0.635) | 42.85 (1.687) | No. 20 AWG (0.032") |
| FL | 15.88 (0.625) | 53.98 (2.125) | 16.13 (0.635) | 54.38 (2.141) | 16.13 (0.635) | 55.55 (2.187) | No. 20 AWG (0.032") |
| FP | 15.88 (0.625) | 66.68 (2.625) | 16.13 (0.635) | 67.08 (2.641) | 16.13 (0.635) | 68.25 (2.687) | No. 20 AWG (0.032") |
| FS | 15.88 (0.625) | 79.38 (3.125) | 16.13 (0.635) | 79.78 (3.141) | 16.13 (0.635) | 80.95 (3.187) | No. 20 AWG (0.032") |
| FT | 15.88 (0.625) | 92.08 (3.625) | 16.13 (0.635) | 92.48 (3.641) | 16.13 (0.635) | 93.65 (3.687) | No. 20 AWG (0.032") |
| GE | 19.05 (0.750) | 28.58 (1.125) | 19.30 (0.760) | 28.98 (1.141) | 19.30 (0.760) | 30.15 (1.187) | No. 18 AWG (0.040") |
| GJ | 19.05 (0.750) | 41.28 (1.625) | 19.30 (0.760) | 41.68 (1.641) | 19.30 (0.760) | 42.85 (1.687) | No. 18 AWG (0.040") |
| GL | 19.05 (0.750) | 53.98 (2.125) | 19.30 (0.760) | 54.38 (2.141) | 19.30 (0.760) | 55.55 (2.187) | No. 18 AWG (0.040") |
| GP | 19.05 (0.750) | 66.68 (2.625) | 19.30 (0.760) | 67.08 (2.641) | 19.30 (0.760) | 68.25 (2.687) | No. 18 AWG (0.040") |
| GS | 19.05 (0.750) | 79.38 (3.125) | 19.30 (0.760) | 79.78 (3.141) | 19.30 (0.760) | 80.95 (3.187) | No. 18 AWG (0.040") |
| GT | 19.05 (0.750) | 92.08 (3.625) | 19.30 (0.760) | 92.48 (3.641) | 19.30 (0.760) | 93.65 (3.687) | No. 18 AWG (0.040") |
| HE | 22.23 (0.875) | 28.58 (1.125) | 22.48 (0.885) | 28.98 (1.141) | 22.48 (0.885) | 30.15 (1.187) | No. 18 AWG (0.040") |
| HJ | 22.23 (0.875) | 41.28 (1.625) | 22.48 (0.885) | 41.68 (1.641) | 22.48 (0.885) | 42.85 (1.687) | No. 18 AWG (0.040") |
| HL | 22.23 (0.875) | 53.98 (2.125) | 22.48 (0.885) | 54.38 (2.141) | 22.48 (0.885) | 55.55 (2.187) | No. 18 AWG (0.040") |
| HP | 22.23 (0.875) | 66.68 (2.625) | 22.48 (0.885) | 67.08 (2.641) | 22.48 (0.885) | 68.25 (2.687) | No. 18 AWG (0.040") |
| HS | 22.23 (0.875) | 79.38 (3.125) | 22.48 (0.885) | 79.78 (3.141) | 22.48 (0.885) | 80.95 (3.187) | No. 18 AWG (0.040") |
| HT | 22.23 (0.875) | 92.08 (3.625) | 22.48 (0.885) | 92.48 (3.641) | 22.48 (0.885) | 93.65 (3.687) | No. 18 AWG (0.040") |
| JE | 25.40 (1.000) | 28.58 (1.125) | 25.65 (1.010) | 28.98 (1.141) | 25.65 (1.010) | 30.15 (1.187) | No. 18 AWG (0.040") |
| JJ | 25.40 (1.000) | 41.28 (1.625) | 25.65 (1.010) | 41.68 (1.641) | 25.65 (1.010) | 42.85 (1.687) | No. 18 AWG (0.040") |
| JL | 25.40 (1.000) | 53.98 (2.125) | 25.65 (1.010) | 54.38 (2.141) | 25.65 (1.010) | 55.55 (2.187) | No. 18 AWG (0.040") |
| JP | 25.40 (1.000) | 66.68 (2.625) | 25.65 (1.010) | 67.08 (2.641) | 25.65 (1.010) | 68.25 (2.687) | No. 18 AWG (0.040") |
| JS | 25.40 (1.000) | 79.38 (3.125) | 25.65 (1.010) | 79.78 (3.141) | 25.65 (1.010) | 80.95 (3.187) | No. 18 AWG (0.040") |
| JT | 25.40 (1.000) | 92.08 (3.625) | 25.65 (1.010) | 92.48 (3.641) | 25.65 (1.010) | 93.65 (3.687) | No. 18 AWG (0.040") |

STANDARD RATINGS FOR TYPE 601D

| Rated Capacitance (μF) | Catalog Number | Nominal Case Size D x L (in.) | Maximum ESR | Maximum ESR | Max. Ripple Current | Max. Ripple Current |
|---|----------------|-------------------------------------|--------------------------------|------------------------------------|--|--|
| | | | +25°C 120Hz (Ω) | +25°C 20-100kHz (Ω) | +85°C 120Hz (A_{rms}) | +85°C 20-100kHz (A_{rms}) |
| 6.3 VOLTS DC WORKING; 8 VOLTS DC SURGE | | | | | | |
| 1,500 | 601D158F6R3FE1 | 0.625 x 1.125 | 0.311 | 0.227 | 1.04 | 1.22 |
| 2,700 | 601D278F6R3FJ1 | 0.625 x 1.625 | 0.148 | 0.108 | 1.76 | 2.05 |
| 3,900 | 601D398F6R3FL1 | 0.625 x 2.125 | 0.098 | 0.072 | 2.41 | 2.81 |
| 5,600 | 601D568F6R3FP1 | 0.625 x 2.625 | 0.074 | 0.055 | 3.05 | 3.54 |
| 6,800 | 601D688F6R3FS1 | 0.625 x 3.125 | 0.060 | 0.044 | 3.66 | 4.25 |
| 8,200 | 601D828F6R3FT1 | 0.625 x 3.625 | 0.051 | 0.038 | 4.26 | 4.94 |
| 2,700 | 601D278F6R3GE1 | 0.750 x 1.125 | 0.169 | 0.124 | 1.58 | 1.84 |
| 5,600 | 601D568F6R3GJ1 | 0.750 x 1.625 | 0.083 | 0.061 | 2.60 | 3.02 |
| 8,200 | 601D828F6R3GL1 | 0.750 x 2.125 | 0.057 | 0.042 | 3.52 | 4.07 |
| 10,000 | 601D109F6R3GP1 | 0.750 x 2.625 | 0.043 | 0.032 | 4.40 | 5.09 |
| 12,000 | 601D129F6R3GS1 | 0.750 x 3.125 | 0.037 | 0.028 | 5.13 | 5.91 |
| 15,000 | 601D159F6R3GT1 | 0.750 x 3.625 | 0.031 | 0.023 | 5.98 | 6.89 |
| 3,900 | 601D398F6R3HE1 | 0.875 x 1.125 | 0.118 | 0.088 | 2.09 | 2.42 |
| 8,200 | 601D828F6R3HJ1 | 0.875 x 1.625 | 0.059 | 0.044 | 3.38 | 3.90 |
| 12,000 | 601D129F6R3HL1 | 0.875 x 2.125 | 0.042 | 0.031 | 4.47 | 5.15 |
| 15,000 | 601D159F6R3HP1 | 0.875 x 2.625 | 0.033 | 0.024 | 5.54 | 6.37 |
| 18,000 | 601D189F6R3HS1 | 0.875 x 3.125 | 0.027 | 0.020 | 6.56 | 7.50 |
| 22,000 | 601D229F6R3HT1 | 0.875 x 3.625 | 0.023 | 0.018 | 7.52 | 8.61 |
| 5,600 | 601D568F6R3JE1 | 1.000 x 1.125 | 0.093 | 0.069 | 2.57 | 2.96 |
| 10,000 | 601D109F6R3JJ1 | 1.000 x 1.625 | 0.049 | 0.036 | 4.05 | 4.66 |
| 18,000 | 601D189F6R3JL1 | 1.000 x 2.125 | 0.033 | 0.025 | 5.44 | 6.23 |
| 22,000 | 601D229F6R3JP1 | 1.000 x 2.625 | 0.026 | 0.020 | 6.72 | 7.68 |
| 27,000 | 601D279F6R3JS1 | 1.000 x 3.125 | 0.022 | 0.017 | 7.86 | 8.91 |
| 33,000 | 601D339F6R3JT1 | 1.000 x 3.625 | 0.019 | 0.015 | 8.98 | 10.18 |

10 VOLTS DC WORKING; 15 VOLTS DC SURGE

| | | | | | | |
|--------|----------------|---------------|-------|-------|------|------|
| 1,000 | 601D108F010FE1 | 0.625 x 1.125 | 0.332 | 0.233 | 1.00 | 1.21 |
| 2,200 | 601D228F010FJ1 | 0.625 x 1.625 | 0.157 | 0.111 | 1.70 | 2.03 |
| 3,300 | 601D338F010FL1 | 0.625 x 2.125 | 0.106 | 0.075 | 2.31 | 2.76 |
| 4,700 | 601D478F010FP1 | 0.625 x 2.625 | 0.080 | 0.057 | 2.94 | 3.50 |
| 5,600 | 601D568F010FS1 | 0.625 x 3.125 | 0.065 | 0.047 | 3.52 | 4.17 |
| 6,800 | 601D686F010FT1 | 0.625 x 3.625 | 0.055 | 0.039 | 4.11 | 4.87 |
| 2,200 | 601D228F010GE1 | 0.750 x 1.125 | 0.182 | 0.129 | 1.53 | 1.81 |
| 3,900 | 601D398F010GJ1 | 0.750 x 1.625 | 0.091 | 0.065 | 2.50 | 2.96 |
| 6,800 | 601D688F010GL1 | 0.750 x 2.125 | 0.061 | 0.044 | 3.40 | 4.03 |
| 8,200 | 601D828F010GP1 | 0.750 x 2.625 | 0.047 | 0.034 | 4.25 | 5.01 |
| 10,000 | 601D109F010GS1 | 0.750 x 3.125 | 0.041 | 0.029 | 5.00 | 5.82 |
| 12,000 | 601D129F010GT1 | 0.750 x 3.625 | 0.035 | 0.025 | 5.72 | 6.71 |
| 3,300 | 601D338F010HE1 | 0.875 x 1.125 | 0.127 | 0.090 | 2.02 | 2.39 |
| 5,600 | 601D568F010HJ1 | 0.875 x 1.625 | 0.064 | 0.046 | 3.26 | 3.84 |
| 8,200 | 601D828F010HL1 | 0.875 x 2.125 | 0.044 | 0.032 | 4.38 | 5.14 |
| 12,000 | 601D129F010HP1 | 0.875 x 2.625 | 0.036 | 0.026 | 5.30 | 6.22 |
| 15,000 | 601D159F010HS1 | 0.875 x 3.125 | 0.029 | 0.020 | 6.43 | 7.50 |
| 18,000 | 601D189F010HT1 | 0.875 x 3.625 | 0.025 | 0.018 | 7.37 | 8.56 |
| 3,900 | 601D398F010JE1 | 1.000 x 1.125 | 0.099 | 0.071 | 2.49 | 2.93 |
| 8,200 | 601D828F010JJ1 | 1.000 x 1.625 | 0.050 | 0.037 | 4.00 | 4.67 |
| 13,000 | 601D139F010JL1 | 1.000 x 2.125 | 0.036 | 0.026 | 5.27 | 6.15 |
| 18,000 | 601D189F010JP1 | 1.000 x 2.625 | 0.028 | 0.021 | 6.45 | 7.49 |
| 22,000 | 601D229F010JS1 | 1.000 x 3.125 | 0.023 | 0.017 | 7.68 | 8.86 |
| 27,000 | 601D279F010JT1 | 1.000 x 3.625 | 0.020 | 0.015 | 8.75 | 10.1 |

STANDARD RATINGS FOR TYPE 601D

| Rated Capacitance (μF) | Catalog Number | Nominal Case Size D x L (in.) | Maximum ESR | Maximum ESR | Max. Ripple Current | Max. Ripple Current |
|---|----------------|-------------------------------------|--------------------------------|------------------------------------|--|--|
| | | | +25°C 120Hz (Ω) | +25°C 20-100kHz (Ω) | +85°C 120Hz (A_{rms}) | +85°C 20-100kHz (A_{rms}) |
| 16 VOLTS DC WORKING; 20 VOLTS DC SURGE | | | | | | |
| 820 | 601D827F016FE1 | 0.625 x 1.125 | 0.349 | 0.230 | 0.99 | 1.21 |
| 1,800 | 601D188F016FJ1 | 0.625 x 1.625 | 0.175 | 0.116 | 1.62 | 1.98 |
| 2,700 | 601D278F016FL1 | 0.625 x 2.125 | 0.115 | 0.077 | 2.23 | 2.73 |
| 3,300 | 601D338F016FP1 | 0.625 x 2.625 | 0.087 | 0.058 | 2.83 | 3.45 |
| 3,900 | 601D398F016FS1 | 0.625 x 3.125 | 0.071 | 0.048 | 3.37 | 4.11 |
| 4,700 | 601D478F016FT1 | 0.625 x 3.625 | 0.060 | 0.040 | 3.94 | 4.79 |
| 1,500 | 601D158F016GE1 | 0.750 x 1.125 | 0.198 | 0.132 | 1.47 | 1.79 |
| 3,300 | 601D338F016GJ1 | 0.750 x 1.625 | 0.098 | 0.066 | 2.40 | 2.92 |
| 4,700 | 601D478F016GL1 | 0.750 x 2.125 | 0.067 | 0.045 | 3.26 | 3.95 |
| 5,600 | 601D568F016GP1 | 0.750 x 2.625 | 0.051 | 0.035 | 4.07 | 4.93 |
| 8,200 | 601D828F016GS1 | 0.750 x 3.125 | 0.042 | 0.029 | 4.87 | 5.86 |
| 10,000 | 601D109F016GT1 | 0.750 x 3.625 | 0.036 | 0.025 | 5.64 | 6.78 |
| 2,200 | 601D228F016HE1 | 0.875 x 1.125 | 0.139 | 0.094 | 1.93 | 2.34 |
| 4,700 | 601D478F016HJ1 | 0.875 x 1.625 | 0.070 | 0.048 | 3.12 | 3.77 |
| 6,800 | 601D688F016HL1 | 0.875 x 2.125 | 0.048 | 0.033 | 4.20 | 5.05 |
| 10,000 | 601D109F016HP1 | 0.875 x 2.625 | 0.037 | 0.026 | 5.23 | 6.27 |
| 12,000 | 601D129F016HS1 | 0.875 x 3.125 | 0.031 | 0.022 | 6.19 | 7.38 |
| 15,000 | 601D159F016HT1 | 0.875 x 3.625 | 0.027 | 0.019 | 7.06 | 8.40 |
| 3,300 | 601D338F016JE1 | 1.000 x 1.125 | 0.108 | 0.075 | 2.38 | 2.87 |
| 6,800 | 601D688F016JJ1 | 1.000 x 1.625 | 0.055 | 0.038 | 3.83 | 4.59 |
| 10,000 | 601D109F016JL1 | 1.000 x 2.125 | 0.038 | 0.027 | 5.10 | 6.09 |
| 25 VOLTS DC WORKING; 40 VOLTS DC SURGE | | | | | | |
| 560 | 601D567F025FE1 | 0.625 x 1.125 | 0.383 | 0.237 | 0.94 | 1.20 |
| 1,000 | 601D108F025FJ1 | 0.625 x 1.625 | 0.198 | 0.124 | 1.52 | 1.92 |
| 1,500 | 601D158F025FL1 | 0.625 x 2.125 | 0.125 | 0.078 | 2.14 | 2.71 |
| 2,200 | 601D228F025FP1 | 0.625 x 2.625 | 0.096 | 0.061 | 2.68 | 3.38 |
| 2,700 | 601D278F025FS1 | 0.625 x 3.125 | 0.078 | 0.050 | 3.22 | 4.04 |
| 3,300 | 601D338F025FT1 | 0.625 x 3.625 | 0.065 | 0.041 | 3.79 | 4.75 |
| 1,000 | 601D108F025GE1 | 0.750 x 1.125 | 0.213 | 0.134 | 1.41 | 1.78 |
| 1,800 | 601D188F025GJ1 | 0.750 x 1.625 | 0.110 | 0.070 | 2.27 | 2.85 |
| 2,700 | 601D278F025GL1 | 0.750 x 2.125 | 0.073 | 0.047 | 3.11 | 3.89 |
| 3,900 | 601D398F025GP1 | 0.750 x 2.625 | 0.056 | 0.036 | 3.91 | 4.87 |
| 4,700 | 601D478F025GS1 | 0.750 x 3.125 | 0.045 | 0.029 | 4.68 | 5.80 |
| 5,600 | 601D568F025GT1 | 0.750 x 3.625 | 0.038 | 0.025 | 5.43 | 6.70 |
| 1,500 | 601D158F025HE1 | 0.875 x 1.125 | 0.157 | 0.100 | 1.81 | 2.27 |
| 2,700 | 601D278F025HJ1 | 0.875 x 1.625 | 0.076 | 0.049 | 2.98 | 3.72 |
| 3,900 | 601D398F025HL1 | 0.875 x 2.125 | 0.052 | 0.034 | 4.04 | 5.01 |
| 5,600 | 601D568F025HP1 | 0.875 x 2.625 | 0.040 | 0.026 | 5.04 | 6.20 |
| 6,800 | 601D688F025HS1 | 0.875 x 3.125 | 0.033 | 0.022 | 6.00 | 7.33 |
| 8,200 | 601D828F025HT1 | 0.875 x 3.625 | 0.028 | 0.019 | 6.91 | 8.42 |
| 1,800 | 601D188F025JE1 | 1.000 x 1.125 | 0.117 | 0.076 | 2.28 | 2.83 |
| 3,900 | 601D398F025JJ1 | 1.000 x 1.625 | 0.059 | 0.039 | 3.70 | 4.55 |
| 5,600 | 601D568F025JL1 | 1.000 x 2.125 | 0.040 | 0.027 | 4.96 | 6.07 |
| 8,200 | 601D828F025JP1 | 1.000 x 2.625 | 0.031 | 0.021 | 6.14 | 7.44 |
| 10,000 | 601D109F025JS1 | 1.000 x 3.125 | 0.027 | 0.018 | 7.15 | 8.64 |
| 12,000 | 601D129F025JT1 | 1.000 x 3.625 | 0.023 | 0.016 | 8.21 | 9.89 |

STANDARD RATINGS FOR TYPE 601D

| Rated Capacitance (μF) | Catalog Number | Nominal Case Size D x L (in.) | Maximum ESR +25°C 120Hz (Ω) | Maximum ESR +25°C 20-100kHz (Ω) | Max. Ripple Current +85°C 120Hz (A_{rms}) | Max. Ripple Current +85°C 20-100kHz (A_{rms}) |
|---|----------------|--|--|--|---|---|
| 35 VOLTS DC WORKING; 50 VOLTS DC SURGE | | | | | | |
| 330 | 601D337F035FE1 | 0.625 x 1.125 | 0.480 | 0.244 | 0.84 | 1.18 |
| 680 | 601D687F035FJ1 | 0.625 x 1.625 | 0.231 | 0.118 | 1.40 | 1.96 |
| 1,000 | 601D108F035FL1 | 0.625 x 2.125 | 0.154 | 0.079 | 1.93 | 2.68 |
| 1,500 | 601D158F035FP1 | 0.625 x 2.625 | 0.118 | 0.061 | 2.42 | 3.35 |
| 1,800 | 601D188F035FS1 | 0.625 x 3.125 | 0.095 | 0.050 | 2.91 | 4.02 |
| 2,200 | 601D228F035FT1 | 0.625 x 3.625 | 0.080 | 0.042 | 3.40 | 4.67 |
| 680 | 601D687F035GE1 | 0.750 x 1.125 | 0.266 | 0.137 | 1.26 | 1.75 |
| 1,200 | 601D128F035GJ1 | 0.750 x 1.625 | 0.133 | 0.070 | 2.06 | 2.84 |
| 2,200 | 601D228F035GL1 | 0.750 x 2.125 | 0.087 | 0.046 | 2.84 | 3.89 |
| 2,700 | 601D278F035GP1 | 0.750 x 2.625 | 0.068 | 0.036 | 3.52 | 4.80 |
| 3,300 | 601D338F035GS1 | 0.750 x 3.125 | 0.054 | 0.025 | 4.25 | 5.75 |
| 3,900 | 601D398F035GT1 | 0.750 x 3.625 | 0.046 | 0.025 | 4.95 | 6.67 |
| 1,000 | 601D108F035HE1 | 0.875 x 1.125 | 0.182 | 0.096 | 1.68 | 2.31 |
| 2,200 | 601D228F035HJ1 | 0.875 x 1.625 | 0.091 | 0.049 | 2.73 | 3.72 |
| 2,700 | 601D278F035HL1 | 0.875 x 2.125 | 0.062 | 0.034 | 3.67 | 4.94 |
| 3,900 | 601D398F035HP1 | 0.875 x 2.625 | 0.047 | 0.026 | 4.61 | 6.17 |
| 4,700 | 601D478F035HS1 | 0.875 x 3.125 | 0.039 | 0.022 | 5.46 | 7.26 |
| 5,600 | 601D568F035HT1 | 0.875 x 3.625 | 0.033 | 0.019 | 6.33 | 8.35 |
| 1,200 | 601D128F035JE1 | 1.000 x 1.125 | 0.146 | 0.079 | 2.04 | 2.77 |
| 2,700 | 601D278F035JJ1 | 1.000 x 1.625 | 0.071 | 0.039 | 3.35 | 4.49 |
| 3,900 | 601D398F035JL1 | 1.000 x 2.125 | 0.048 | 0.027 | 4.52 | 5.99 |
| 5,600 | 601D568F035JP1 | 1.000 x 2.625 | 0.037 | 0.021 | 5.62 | 7.37 |
| 6,800 | 601D688F035JS1 | 1.000 x 3.125 | 0.030 | 0.018 | 6.66 | 8.67 |
| 8,200 | 601D828F035JT1 | 1.000 x 3.625 | 0.026 | 0.015 | 7.66 | 9.92 |

50 VOLTS DC WORKING; 75 VOLTS DC SURGE

| | | | | | | |
|-------|----------------|---------------|-------|-------|------|------|
| 270 | 601D277F050FE1 | 0.625 x 1.125 | 0.519 | 0.241 | 0.81 | 1.19 |
| 470 | 601D477F050FJ1 | 0.625 x 1.625 | 0.249 | 0.117 | 1.35 | 1.98 |
| 680 | 601D687F050FL1 | 0.625 x 2.125 | 0.165 | 0.078 | 1.87 | 2.71 |
| 1,000 | 601D108F050FP1 | 0.625 x 2.625 | 0.128 | 0.061 | 2.33 | 3.37 |
| 1,200 | 601D128F050FS1 | 0.625 x 3.125 | 0.107 | 0.051 | 2.76 | 3.97 |
| 1,500 | 601D158F050FT1 | 0.625 x 3.625 | 0.087 | 0.042 | 3.28 | 4.70 |
| 470 | 601D477F050GE1 | 0.750 x 1.125 | 0.285 | 0.135 | 1.22 | 1.77 |
| 1,000 | 601D108F050GJ1 | 0.750 x 1.625 | 0.139 | 0.067 | 2.02 | 2.90 |
| 1,500 | 601D158F050GL1 | 0.750 x 2.125 | 0.095 | 0.047 | 2.73 | 3.90 |
| 1,800 | 601D188F050GP1 | 0.750 x 2.625 | 0.071 | 0.035 | 3.45 | 4.90 |
| 2,200 | 601D228F050GS1 | 0.750 x 3.125 | 0.060 | 0.030 | 4.08 | 5.75 |
| 2,700 | 601D278F050GT1 | 0.750 x 3.625 | 0.050 | 0.025 | 4.76 | 6.67 |
| 680 | 601D687F050HE1 | 0.875 x 1.125 | 0.196 | 0.095 | 1.62 | 2.32 |
| 1,500 | 601D158F050HJ1 | 0.875 x 1.625 | 0.099 | 0.049 | 2.63 | 3.72 |
| 2,200 | 601D228F050HL1 | 0.875 x 2.125 | 0.067 | 0.034 | 3.55 | 4.99 |
| 2,700 | 601D278F050HP1 | 0.875 x 2.625 | 0.051 | 0.027 | 4.44 | 6.17 |
| 3,300 | 601D338F050HS1 | 0.875 x 3.125 | 0.042 | 0.022 | 5.28 | 7.29 |
| 3,900 | 601D398F050HT1 | 0.875 x 3.625 | 0.036 | 0.019 | 6.12 | 8.38 |
| 1,000 | 601D108F050JE1 | 1.000 x 1.125 | 0.148 | 0.075 | 2.03 | 2.86 |
| 1,800 | 601D188F050JJ1 | 1.000 x 1.625 | 0.077 | 0.040 | 3.23 | 4.50 |
| 2,700 | 601D278F050JL1 | 1.000 x 2.125 | 0.052 | 0.028 | 4.37 | 6.00 |
| 3,900 | 601D398F050JP1 | 1.000 x 2.625 | 0.040 | 0.022 | 5.44 | 7.40 |
| 4,700 | 601D478F050JS1 | 1.000 x 3.125 | 0.033 | 0.018 | 6.47 | 8.69 |
| 5,600 | 601D568F050JT1 | 1.000 x 3.625 | 0.028 | 0.016 | 7.45 | 9.92 |

STANDARD RATINGS FOR TYPE 601D

| Rated Capacitance (μ F) | Catalog Number | Nominal Case Size D x L (in.) | Maximum | Maximum | Max. Ripple | Max. Ripple |
|---|----------------|--|---------------------------------------|---|--|--|
| | | | ESR +25°C 120Hz (Ω) | ESR +25°C 20-100kHz (Ω) | Current +85°C 120Hz (A _{rms}) | Current +85°C 20-100kHz (A _{rms}) |
| 63 VOLTS DC WORKING; 90 VOLTS DC SURGE | | | | | | |
| 220 | 601D227F063FE1 | 0.625 x 1.125 | 0.563 | 0.250 | 0.78 | 1.16 |
| 470 | 601D477F063FJ1 | 0.625 x 1.625 | 0.269 | 0.121 | 1.30 | 1.94 |
| 680 | 601D687F063FL1 | 0.625 x 2.125 | 0.178 | 0.080 | 1.80 | 2.67 |
| 820 | 601D827F063FP1 | 0.625 x 2.625 | 0.134 | 0.061 | 2.27 | 3.36 |
| 1,000 | 601D108F063FS1 | 0.625 x 3.125 | 0.111 | 0.051 | 2.70 | 3.98 |
| 1,200 | 601D128F063FT1 | 0.625 x 3.625 | 0.095 | 0.044 | 3.13 | 4.59 |
| 390 | 601D397F063GE1 | 0.750 x 1.125 | 0.304 | 0.138 | 1.18 | 1.75 |
| 820 | 601D827F063GJ1 | 0.750 x 1.625 | 0.150 | 0.069 | 1.94 | 2.86 |
| 1,200 | 601D128F063GL1 | 0.750 x 2.125 | 0.105 | 0.049 | 2.59 | 3.79 |
| 1,500 | 601D158F063GP1 | 0.750 x 2.625 | 0.080 | 0.038 | 3.26 | 4.73 |
| 1,800 | 601D188F063GS1 | 0.750 x 3.125 | 0.062 | 0.030 | 3.99 | 5.75 |
| 2,200 | 601D228F063GT1 | 0.750 x 3.625 | 0.053 | 0.026 | 4.62 | 6.62 |
| 680 | 601D687F063HE1 | 0.875 x 1.125 | 0.210 | 0.098 | 1.57 | 2.30 |
| 1,200 | 601D128G063HJ1 | 0.875 x 1.625 | 0.109 | 0.052 | 2.50 | 3.63 |
| 1,800 | 601D188F063HL1 | 0.875 x 2.125 | 0.070 | 0.034 | 3.47 | 4.97 |
| 2,200 | 601D228F063HP1 | 0.875 x 2.625 | 0.054 | 0.027 | 4.31 | 6.13 |
| 2,700 | 601D278F063HS1 | 0.875 x 3.125 | 0.045 | 0.023 | 5.12 | 7.21 |
| 3,900 | 601D398F063HT1 | 0.875 x 3.625 | 0.038 | 0.019 | 5.98 | 8.33 |
| 820 | 601D827F063JE1 | 1.000 x 1.125 | 0.158 | 0.076 | 1.97 | 2.83 |
| 1,800 | 601D188F063JJ1 | 1.000 x 1.625 | 0.081 | 0.040 | 3.14 | 4.46 |
| 2,700 | 601D278F063JL1 | 1.000 x 2.125 | 0.055 | 0.028 | 4.25 | 5.97 |
| 3,300 | 601D338F063JP1 | 1.000 x 2.625 | 0.042 | 0.022 | 5.31 | 7.35 |
| 3,900 | 601D398F063JS1 | 1.000 x 3.125 | 0.034 | 0.018 | 6.31 | 8.64 |
| 4,700 | 601D478F063JT1 | 1.000 x 3.625 | 0.029 | 0.016 | 7.29 | 9.89 |
| 100 VOLTS DC WORKING; 150 VOLTS DC SURGE | | | | | | |
| 68 | 601D686F100FE1 | 0.625 x 1.125 | 1.714 | 0.727 | 0.444 | 0.683 |
| 120 | 601D127F100FJ1 | 0.625 x 1.625 | 0.869 | 0.370 | 0.725 | 1.110 |
| 180 | 601D187F100FL1 | 0.625 x 2.125 | 0.561 | 0.240 | 1.010 | 1.550 |
| 270 | 601D277F100FP1 | 0.625 x 2.625 | 0.415 | 0.178 | 1.290 | 1.970 |
| 330 | 601D337F100FS1 | 0.625 x 3.125 | 0.330 | 0.142 | 1.570 | 2.390 |
| 390 | 601D397F100FT1 | 0.625 x 3.625 | 0.274 | 0.118 | 1.840 | 2.800 |
| 120 | 601D127F100GE1 | 0.750 x 1.125 | 0.986 | 0.421 | 0.656 | 1.000 |
| 270 | 601D277F100GJ1 | 0.750 x 1.625 | 0.461 | 0.198 | 1.110 | 1.690 |
| 390 | 601D387F100GL1 | 0.750 x 2.125 | 0.302 | 0.131 | 1.530 | 2.330 |
| 470 | 601D477F100GP1 | 0.750 x 2.625 | 0.230 | 0.100 | 1.920 | 2.910 |
| 560 | 601D567F100GS1 | 0.750 x 3.125 | 0.183 | 0.080 | 2.330 | 3.520 |
| 680 | 601D687F100GT1 | 0.750 x 3.625 | 0.152 | 0.067 | 2.730 | 4.110 |
| 180 | 601D187F100HE1 | 0.875 x 1.125 | 0.632 | 0.273 | 0.903 | 1.380 |
| 390 | 601D397F100HJ1 | 0.875 x 1.625 | 0.308 | 0.134 | 1.490 | 2.250 |
| 560 | 601D567F100HL1 | 0.875 x 2.125 | 0.205 | 0.090 | 2.030 | 3.060 |
| 680 | 601D687F100HP1 | 0.875 x 2.625 | 0.155 | 0.068 | 2.560 | 3.840 |
| 820 | 601D827F100HS1 | 0.875 x 3.125 | 0.124 | 0.056 | 3.080 | 4.600 |
| 1,000 | 601D108F100HT1 | 0.875 x 3.625 | 0.108 | 0.048 | 3.530 | 5.260 |

STANDARD RATINGS FOR TYPE 601D

| Rated Capacitance (μF) | Catalog Number | Nominal Case Size D x L (in.) | Maximum ESR | Maximum ESR | Max. Ripple Current | Max. Ripple Current |
|---|----------------|-------------------------------------|--------------------------------|------------------------------------|--|--|
| | | | +25°C 120Hz (Ω) | +25°C 20-100kHz (Ω) | +85°C 120Hz (A_{rms}) | +85°C 20-100kHz (A_{rms}) |
| 100 VOLTS DC WORKING; 150 VOLTS DC SURGE (CONTINUED) | | | | | | |
| 270 | 601D277F100JE1 | 1.000 x 1.125 | 0.469 | 0.205 | 1.140 | 1.730 |
| 470 | 601D477F100JJ1 | 1.000 x 1.625 | 0.226 | 0.100 | 1.880 | 2.830 |
| 820 | 601D827F100JL1 | 1.000 x 2.125 | 0.152 | 0.068 | 2.560 | 3.820 |
| 1,000 | 601D108F100JP1 | 1.000 x 2.625 | 0.120 | 0.054 | 3.140 | 4.670 |
| 1,200 | 601D128F100JS1 | 1.000 x 3.125 | 0.093 | 0.043 | 3.830 | 5.660 |
| 1,500 | 601D157F100JT1 | 1.000 x 3.625 | 0.081 | 0.037 | 4.370 | 6.450 |
| 150 VOLTS DC WORKING; 200 VOLTS DC SURGE | | | | | | |
| 33 | 601D336F150FE1 | 0.625 x 1.125 | 3.518 | 1.485 | 0.310 | 0.478 |
| 68 | 601D686F150FJ1 | 0.625 x 1.625 | 1.677 | 0.709 | 0.522 | 0.802 |
| 100 | 601D107F150FL1 | 0.625 x 2.125 | 1.114 | 0.472 | 0.718 | 1.100 |
| 120 | 601D127F150FP1 | 0.625 x 2.625 | 0.842 | 0.357 | 0.907 | 1.390 |
| 150 | 601D157F150FS1 | 0.625 x 3.125 | 0.672 | 0.286 | 1.100 | 1.680 |
| 180 | 601D187F150FT1 | 0.625 x 3.625 | 0.560 | 0.238 | 1.290 | 1.970 |
| 56 | 601D566F150GE1 | 0.750 x 1.125 | 2.089 | 0.884 | 0.451 | 0.693 |
| 100 | 601D107F150GJ1 | 0.750 x 1.625 | 1.033 | 0.438 | 0.740 | 1.140 |
| 150 | 601D157F150GL1 | 0.750 x 2.125 | 0.683 | 0.291 | 1.020 | 1.560 |
| 220 | 601D227F150GP1 | 0.750 x 2.625 | 0.511 | 0.218 | 1.290 | 1.970 |
| 270 | 601D277F150GS1 | 0.750 x 3.125 | 0.409 | 0.175 | 1.560 | 2.380 |
| 330 | 601D337F150GT1 | 0.750 x 3.625 | 0.341 | 0.146 | 1.820 | 2.780 |
| 82 | 601D826F150HE1 | 0.875 x 1.125 | 1.395 | 0.593 | 0.608 | 0.932 |
| 150 | 601D157F150HJ1 | 0.875 x 1.625 | 0.695 | 0.297 | 0.989 | 1.510 |
| 270 | 601D277F150HL1 | 0.875 x 2.125 | 0.451 | 0.193 | 1.370 | 2.090 |
| 330 | 601D337F150HP1 | 0.875 x 2.625 | 0.345 | 0.148 | 1.710 | 2.610 |
| 390 | 601D397F150HS1 | 0.875 x 3.125 | 0.273 | 0.118 | 2.080 | 3.160 |
| 470 | 601D477F150HT1 | 0.875 x 3.625 | 0.226 | 0.098 | 2.440 | 3.700 |
| 100 | 601D107F150JE1 | 1.000 x 1.125 | 1.082 | 0.463 | 0.753 | 1.150 |
| 220 | 601D227F150JJ1 | 1.000 x 1.625 | 0.502 | 0.216 | 1.260 | 1.930 |
| 330 | 601D337F150JL1 | 1.000 x 2.125 | 0.328 | 0.142 | 1.740 | 2.640 |
| 470 | 601D477F150JP1 | 1.000 x 2.625 | 0.244 | 0.107 | 2.200 | 3.330 |
| 560 | 601D566F150JS1 | 1.000 x 3.125 | 0.195 | 0.086 | 2.650 | 4.000 |
| 680 | 601D687F150JT1 | 1.000 x 3.625 | 0.165 | 0.073 | 3.070 | 4.630 |
| 200 VOLTS DC WORKING; 250 VOLTS DC SURGE | | | | | | |
| 27 | 601D276F200FE1 | 0.625 x 1.125 | 3.985 | 1.501 | 0.292 | 0.48 |
| 56 | 601D566F200FJ1 | 0.625 x 1.625 | 1.892 | 0.714 | 0.491 | 0.80 |
| 82 | 601D826F200FL1 | 0.625 x 2.125 | 1.242 | 0.469 | 0.680 | 1.11 |
| 100 | 601D107F200FP1 | 0.625 x 2.625 | 0.925 | 0.350 | 0.865 | 1.41 |
| 120 | 601D127F200FS1 | 0.625 x 3.125 | 0.761 | 0.288 | 1.032 | 1.67 |
| 150 | 601D157F200FT1 | 0.625 x 3.625 | 0.651 | 0.248 | 1.190 | 1.94 |
| 47 | 601D476F200GE1 | 0.750 x 1.125 | 2.354 | 0.889 | 0.424 | 0.69 |
| 82 | 601D826F200GJ1 | 0.750 x 1.625 | 1.142 | 0.433 | 0.704 | 1.14 |
| 120 | 601D127F200GL1 | 0.750 x 2.125 | 0.774 | 0.294 | 0.956 | 1.55 |
| 180 | 601D187F200GP1 | 0.750 x 2.625 | 0.578 | 0.220 | 1.210 | 1.96 |
| 220 | 601D227F200GS1 | 0.750 x 3.125 | 0.462 | 0.176 | 1.460 | 2.37 |
| 270 | 601D277F200GT1 | 0.750 x 3.625 | 0.385 | 0.147 | 1.710 | 2.77 |
| 120 | 601D127F200HJ1 | 0.875 x 1.625 | 0.787 | 0.300 | 0.930 | 1.51 |
| 180 | 601D187F200HL1 | 0.875 x 2.125 | 0.521 | 0.199 | 1.270 | 2.06 |
| 270 | 601D277F200HP1 | 0.875 x 2.625 | 0.390 | 0.150 | 1.610 | 2.59 |
| 330 | 601D337F200HS1 | 0.875 x 3.125 | 0.302 | 0.117 | 1.970 | 3.17 |
| 390 | 601D397F200HT1 | 0.875 x 3.625 | 0.254 | 0.098 | 2.300 | 3.69 |

STANDARD RATINGS FOR TYPE 601D

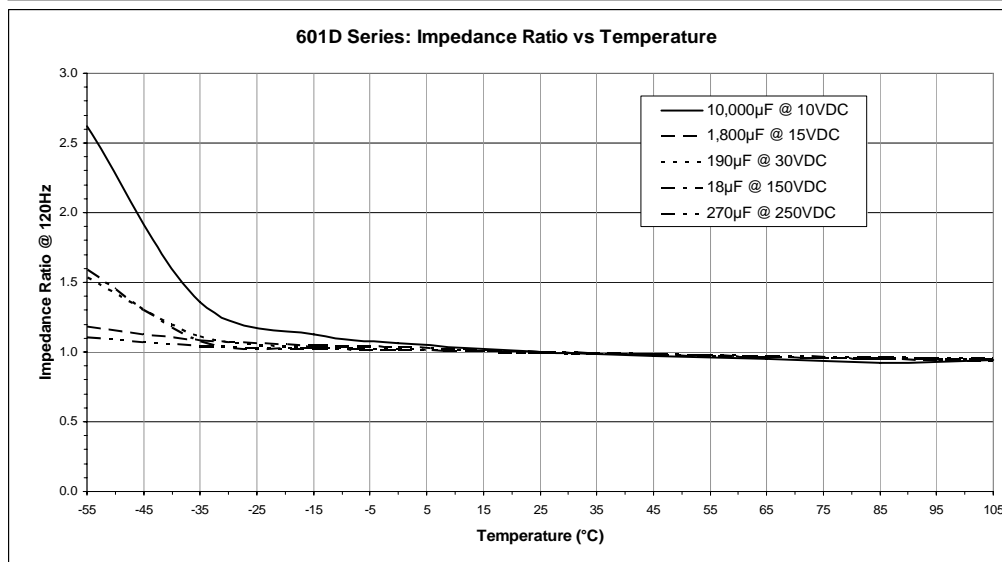
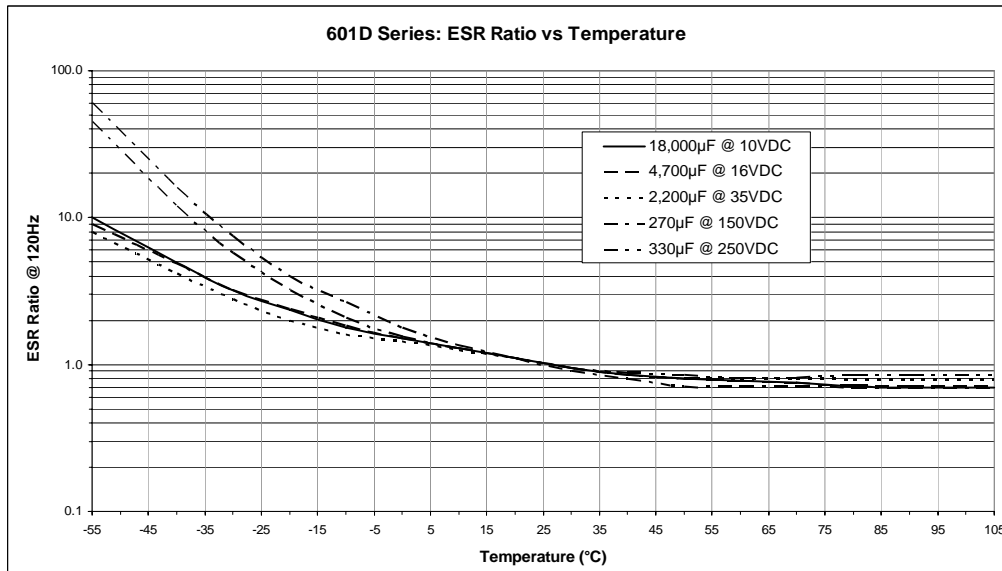
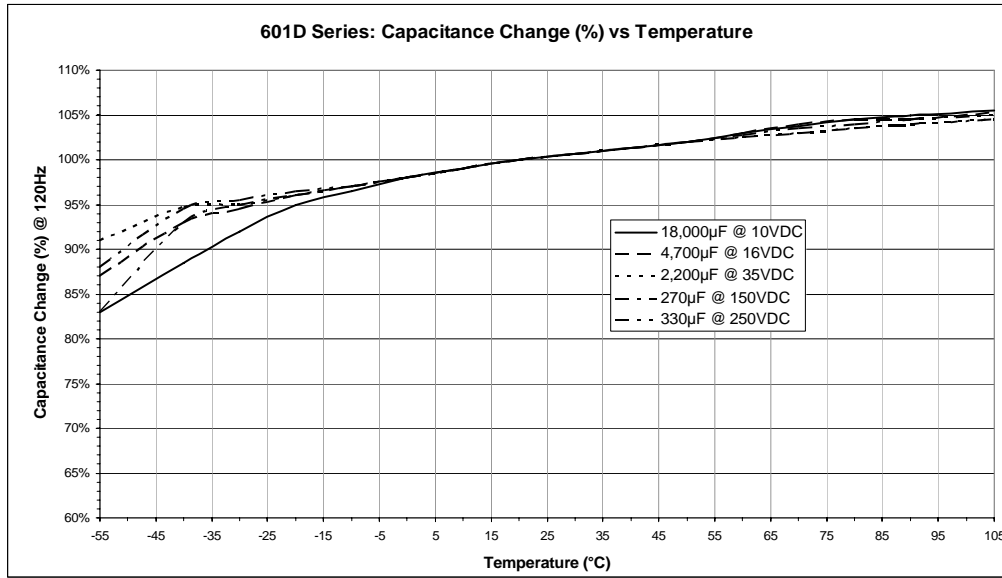
| Rated Capacitance (μF) | Catalog Number | Nominal Case Size D x L (in.) | Maximum ESR | Maximum ESR | Max. Ripple Current | Max. Ripple Current |
|---|----------------|-------------------------------|-----------------------|---------------------------|---------------------------------------|---|
| | | | +25°C 120Hz (Ω) | +25°C 20-100kHz (Ω) | +85°C 120Hz (A _{rms}) | +85°C 20-100kHz (A _{rms}) |
| 200 VOLTS DC WORKING; 250 VOLTS DC SURGE (CONTINUED) | | | | | | |
| 82 | 601D826F200JE1 | 1.000 x 1.125 | 1.128 | 0.432 | 0.737 | 1.19 |
| 180 | 601D187F200JJ1 | 1.000 x 1.625 | 0.560 | 0.216 | 1.200 | 1.93 |
| 270 | 601D277F200JL1 | 1.000 x 2.125 | 0.365 | 0.141 | 1.650 | 2.64 |
| 390 | 601D397F200JP1 | 1.000 x 2.625 | 0.278 | 0.108 | 2.060 | 3.29 |
| 470 | 601D477F200JS1 | 1.000 x 3.125 | 0.221 | 0.087 | 2.490 | 3.97 |
| 560 | 601D567F200JT1 | 1.000 x 3.625 | 0.183 | 0.072 | 2.910 | 4.63 |
| 250 VOLTS DC WORKING; 300 VOLTS DC SURGE | | | | | | |
| 15 | 601D156F250FE1 | 0.625 x 1.125 | 7.136 | 2.854 | 0.22 | 0.34 |
| 33 | 601D336F250FJ1 | 0.625 x 1.625 | 3.228 | 1.292 | 0.38 | 0.59 |
| 47 | 601D476F250FL1 | 0.625 x 2.125 | 2.132 | 0.854 | 0.52 | 0.82 |
| 68 | 601D686F250FP1 | 0.625 x 2.625 | 1.591 | 0.638 | 0.66 | 1.04 |
| 82 | 601D826F250FS1 | 0.625 x 3.125 | 1.270 | 0.510 | 0.80 | 1.26 |
| 100 | 601D107F250FT1 | 0.625 x 3.625 | 1.057 | 0.425 | 0.94 | 1.48 |
| 27 | 601D276F250GE1 | 0.750 x 1.125 | 3.614 | 1.449 | 0.34 | 0.54 |
| 56 | 601D566F250GJ1 | 0.750 x 1.625 | 1.721 | 0.691 | 0.57 | 0.90 |
| 100 | 601D107F250GL1 | 0.750 x 2.125 | 1.130 | 0.454 | 0.79 | 1.25 |
| 120 | 601D127F250GP1 | 0.750 x 2.625 | 0.880 | 0.354 | 0.98 | 1.55 |
| 150 | 601D157F250GS1 | 0.750 x 3.125 | 0.690 | 0.278 | 1.20 | 1.88 |
| 180 | 601D187F250GT1 | 0.750 x 3.625 | 0.568 | 0.230 | 1.41 | 2.22 |
| 47 | 601D476F250HE1 | 0.875 x 1.125 | 2.369 | 0.953 | 0.47 | 0.74 |
| 100 | 601D107F250HJ1 | 0.875 x 1.625 | 1.148 | 0.463 | 0.77 | 1.21 |
| 150 | 601D157F250HL1 | 0.875 x 2.125 | 0.753 | 0.304 | 1.06 | 1.67 |
| 180 | 601D187F250HP1 | 0.875 x 2.625 | 0.574 | 0.232 | 1.33 | 2.08 |
| 220 | 601D227F250HS1 | 0.875 x 3.125 | 0.464 | 0.188 | 1.59 | 2.50 |
| 270 | 601D277F250HT1 | 0.875 x 3.625 | 0.375 | 0.153 | 1.89 | 2.96 |
| 56 | 601D566F250JE1 | 1.000 x 1.125 | 1.708 | 0.689 | 0.60 | 0.94 |
| 120 | 601D127F250JJ1 | 1.000 x 1.625 | 0.829 | 0.336 | 0.98 | 1.54 |
| 180 | 601D187F250JL1 | 1.000 x 2.125 | 0.548 | 0.223 | 1.34 | 2.11 |
| 270 | 601D277F250JP1 | 1.000 x 2.625 | 0.410 | 0.167 | 1.69 | 2.65 |
| 330 | 601D337F250JS1 | 1.000 x 3.125 | 0.328 | 0.134 | 2.04 | 3.18 |
| 390 | 601D397F250JT1 | 1.000 x 3.625 | 0.274 | 0.112 | 2.38 | 3.71 |
| 300 VOLTS DC WORKING; 350 VOLTS DC SURGE | | | | | | |
| 12 | 601D126F300FE1 | 0.625 x 1.125 | 8.217 | 2.896 | 0.20 | 0.34 |
| 27 | 601D276F300FJ1 | 0.625 x 1.625 | 3.809 | 1.344 | 0.35 | 0.58 |
| 39 | 601D396F300FL1 | 0.625 x 2.125 | 2.479 | 0.875 | 0.48 | 0.81 |
| 47 | 601D476F300FP1 | 0.625 x 2.625 | 1.839 | 0.650 | 0.61 | 1.03 |
| 56 | 601D566F300FS1 | 0.625 x 3.125 | 1.461 | 0.517 | 0.75 | 1.25 |
| 68 | 601D686F300FT1 | 0.625 x 3.625 | 1.231 | 0.430 | 0.87 | 1.47 |
| 22 | 601D226F300GE1 | 0.750 x 1.125 | 4.164 | 1.471 | 0.32 | 0.54 |
| 47 | 601D476F300GJ1 | 0.750 x 1.625 | 1.931 | 0.683 | 0.54 | 0.91 |
| 68 | 601D686F300GL1 | 0.750 x 2.125 | 1.294 | 0.459 | 0.74 | 1.24 |
| 100 | 601D107F300GP1 | 0.750 x 2.625 | 0.953 | 0.338 | 0.94 | 1.58 |
| 120 | 601D127F300GS1 | 0.750 x 3.125 | 0.795 | 0.283 | 1.12 | 1.87 |
| 150 | 601D157F300GT1 | 0.750 x 3.625 | 0.672 | 0.239 | 1.30 | 2.17 |

STANDARD RATINGS FOR TYPE 601D

| Rated Capacitance (μF) | Catalog Number | Nominal Case Size D x L (in.) | Maximum ESR +25°C 120Hz (Ω) | Maximum ESR +25°C 20-100kHz (Ω) | Max. Ripple Current +85°C 120Hz (A _{rms}) | Max. Ripple Current +85°C 20-100kHz (A _{rms}) |
|---|----------------|-------------------------------|-----------------------------|---------------------------------|---|---|
| 300 VOLTS DC WORKING; 350 VOLTS DC SURGE (CONTINUED) | | | | | | |
| 33 | 601D336F300HE1 | 0.875 x 1.125 | 2.712 | 0.961 | 0.44 | 0.73 |
| 68 | 601D686F300HJ1 | 0.875 x 1.625 | 1.296 | 0.460 | 0.72 | 1.22 |
| 100 | 601D107F300HL1 | 0.875 x 2.125 | 0.886 | 0.316 | 0.98 | 1.64 |
| 150 | 601D157F300HP1 | 0.875 x 2.625 | 0.679 | 0.242 | 1.22 | 2.04 |
| 180 | 601D187F300HS1 | 0.875 x 3.125 | 0.519 | 0.186 | 1.50 | 2.51 |
| 220 | 601D227F300HT1 | 0.875 x 3.625 | 0.441 | 0.158 | 1.74 | 2.91 |
| 47 | 601D476F300JE1 | 1.000 x 1.125 | 1.973 | 0.702 | 0.56 | 0.93 |
| 100 | 601D107F300JJ1 | 1.000 x 1.625 | 0.947 | 0.338 | 0.92 | 1.54 |
| 150 | 601D157F300JL1 | 1.000 x 2.125 | 0.637 | 0.228 | 1.25 | 2.08 |
| 180 | 601D187F300JP1 | 1.000 x 2.625 | 0.468 | 0.169 | 1.59 | 2.64 |
| 220 | 601D227F300JS1 | 1.000 x 3.125 | 0.386 | 0.139 | 1.88 | 3.13 |
| 270 | 601D277F300JT1 | 1.000 x 3.625 | 0.318 | 0.115 | 2.21 | 3.67 |

601D TYPICAL PERFORMANCE PROFILES

TEMPERATURE CHARACTERISTICS



601D TYPICAL PERFORMANCE PROFILES

FREQUENCY CHARACTERISTICS

