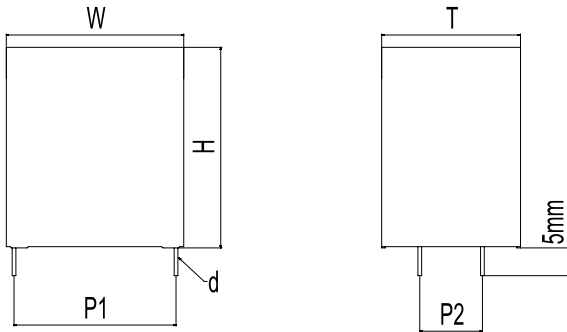


DIMENSIONS



STANDARDS

- IEC 61071-1: Power electronic capacitors
- IEC 61071-2: Power electronic capacitors
- IEC 60384-16: Fixed metallized polypropylene film dielectric DC capacitors
- IEC 60384-16-1: Fixed metallized polypropylene film dielectric DC capacitors Assessment level E
- IEC 60384-17: Fixed metallized polypropylene film dielectric AC and pulse capacitors
- IEC 60384-17-1: Fixed metallized polypropylene film dielectric AC and pulse capacitors

HOW TO ORDER

| | | | | | | | |
|-----------|---|---|---|---|----------------|----------------------|----------------------|
| FE | 27 | G* | 6 | K | 0685 | K | A |
| Series | Pitch | Case Size | Type | Voltage | Cap µF Code | Tolerance | Pitch P2 |
| FE | 27 = 27.5mm 37 = 37.5mm 52 = 52.5mm | E* for P=27.5mm F* for P=37.5mm G* for P=52.5mm | 6 = Polypropylene 7 = Polypropylene THB 8 = Polypropylene Low Profile | I = 450V H = 500V J = 550V Q = 600V A = 700V B = 800V C = 900V K = 1000V L = 1100V P = 1200V | | J = ± 5% K = ±10% | A = 10.2 B = 20.3 |

GENERAL DESCRIPTION

The FE series uses a non-impregnated metallized polypropylene dielectric specially treated to have a very high dielectric strength in operation condition up to 105°C.

FE series performance characteristics make them a viable alternative to aluminum electrolytic technology due to much lower ESR and much higher surge voltage capability (dv/dt).

GENERAL CHARACTERISTICS

- Able to Withstand Harsh Environment Conditions
- Low Profile Available

FEATURES & BENEFITS

- High Performance DC Filter
- Low ESR, High Peak & RMS Current
- THB Compliance
- Able to Withstand Harsh Environment Conditions (THB Compliance)
- Low Profile Available

APPLICATIONS

- Renewable Energy Inverter
- OBC & Automotive Applications
- Motor Drives
- Industrial Power Supply
- UPS System

OPERATING TEMPERATURE RANGE

- Operating temperature range: -40°C to +100°C

PACKAGING MATERIAL

Self-extinguishing plastic case (V0 = in accordance with UL 94) filled thermosetting resin.

Self-extinguishing thermosetting resin (V0 = in accordance with UL 94; I3F2 = in accordance with NF F 16-101).

LIFE EXPECTANCY

One unique feature of this technology (versus aluminum electrolytics) is how the capacitor reacts at the end of its lifetime.

Unlike aluminum electrolytic film capacitors do not have a catastrophic failure mode. Film capacitors simply experience a parametric loss of capacitance of about 2% from initial value, with no risk of short circuit.

The capacitor continues to be functional even after this 2% decrease.

DC FILTERING

FE* RoHS Compliant

POLYPROPYLENE DIELECTRIC FOR INDUSTRIAL DC FILTERING

These capacitors have been designed primarily for high and medium power DC filtering applications.

ELECTRICAL CHARACTERISTICS – POLYPROPYLENE DIELECTRIC

| Items | Characteristics |
|--------------------------------|--|
| Application | DC Filtering / DC Link |
| Reference Standard | IEC 61071 |
| Climatic Category | 40/85/56 IEC 60068-1 |
| Operating Temperature Range | -40~ +105°C (+85°C observing voltage must be de-rating at 1.35% per °C) |
| Upper Temperature Tmax | +85°C |
| Lower Temperature Tmin | -40°C |
| Rated Voltage | 450Vdc ~ 1200Vdc |
| Capacitance Range | 5µF ~ 1500µF |
| Capacitance Tolerance | ±5% or ±10% at +25°C |
| Dissipation Factor (DF) | ≤ 0.002 (0.20%) at 1 KHz. C≤20µF at +25°C |
| | ≤ 0.003 (0.30%) at 1 KHz. C>20µF at +25°C |
| Test Voltage Between Terminals | 1.5 x rated voltage for 10s (terminal to terminal) |
| Test Voltage Terminal to Case | 3.0kVrms 50 Hz for 10 sec at +25°C |
| Insulation Resistance | IR x C≥30,000 Seconds at 100VDC 1 minute at +25°C |
| Life Expectancy | 100,000 hours at Un @ Hot-Spot temperature T=+70°C |
| Protection | Solvent resistant plastic case UL94 V-0 |
| | Thermosetting resin sealing UL 94 V-0 compliant |
| Installation | Any position |
| Leads | Tinned copper wires, standard lead wire length 5 ±1mm |
| Packaging | Packed in cardboard boxes with protection for the terminals |
| RoHS Compliant | Compliant with the restricted substance requirements of Directive 2011/65/EU |
| Storage Conditions | Storage time: ≤ 24 months from the date marked on the label package |
| | Temperature and relative humidity should be -10°C ~ +40°C and not more than 75%RH. |
| | RH ≤ 85% for 30 days randomly distributed throughout the year |
| Humidity Test | Test conditions & performance: |
| | Temperature: +40°C±2°C Relative humidity (RH): 93% ±2% |
| | Test duration: 56 days |
| | Capacitance change: ≤±5% DF change (Δtgδ): ≤50 X 10 ⁻⁴ at 1KHz Insulation resistance: ≥50% of initial limit |
| Endurance Test | Test conditions & performance: |
| | Temperature: +85°C±2°C Voltage applied: 1.3 X VR (d.c.) |
| | Test duration: 1000 hours |
| | Capacitance change: ≤±5% DF change (Δ tgδ): ≤50 X 10 ⁻⁴ at 1KHz Insulation resistance: ≥50% of initial limit |

DC FILTERING

FE - Standard *RoHS Compliant



CASE CODE

mm

| Case Code | Dimensions | | | | | |
|-----------|-------------|-------------|-------------|--------------|--------------|-------------|
| | W ± 0.50 | H ± 0.50 | T ± 0.50 | P1 ± 1.00 | P2 ± 1.00 | d ± 0.05 |
| | mm | mm | mm | mm | mm | mm |
| FI | 42.5 | 33.5 | 22.0 | 37.5 | 10.2 | 1.2 |
| F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 |
| FK | 42.5 | 37.0 | 22.0 | 37.5 | 10.2 | 1.2 |
| FL | 42.5 | 37.0 | 28.0 | 37.5 | 10.2 | 1.2 |
| F5 | 42.5 | 38.0 | 20.0 | 37.5 | 10.2 | 1.2 |
| F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 |
| F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 |
| F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 |
| FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 |
| FP | 42.5 | 57.0 | 30.0 | 37.5 | 20.3 | 1.2 |
| G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 |
| G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 |
| GA | 57.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 |
| GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 |
| GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 |
| GD | 57.5 | 53.0 | 50.0 | 52.5 | 20.3 | 1.2 |
| GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 |
| GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 |
| GG | 57.5 | 65.0 | 130.0 | 52.5 | 20.3 | 1.2 |
| GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 |
| GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 |
| GJ | 57.5 | 65.0 | 70.0 | 52.5 | 20.3 | 1.2 |
| GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 |
| GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 |

RATING & PART NUMBER REFERENCE

| Cap uF | Rated Voltage V | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt V/us | Peak Current A | I _{rms} A | ESR 10KHz mΩ | R _{th} °C/W | ESL nH | SPQ pcs |
|-----------|-----------------------|----------------|-----------------|--------------|-------------------------------|------------|------------|-------------|-------------|-------------|----------------|----------------------|-----------------------|--------------------|-------------------------|-----------|------------|
| | | | | | W ± 0.5 | H ± 0.5 | T ± 0.5 | P1 ± 1.0 | P2 ± 1.0 | d ± 0.05 | | | | | | | |
| | | | | | mm | mm | mm | mm | mm | mm | | | | | | | |
| | | | | | Voltage V _{ndc} 450V | | | | | | Voltage Code I | | | | | | |
| 25.0 | 450 | FE37FK6I0256*A | I | FK | 42.5 | 37.0 | 22.0 | 37.5 | 10.2 | 1.2 | 35 | 875 | 12.5 | 5.5 | 17.5 | 30 | 49 |
| 30.0 | 450 | FE37F66I0306*A | I | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 1050 | 12.0 | 6.0 | 17.4 | 30 | 56 |
| 40.0 | 450 | FE37FL6I0406*A | I | FL | 42.5 | 37.0 | 28.0 | 37.5 | 10.2 | 1.2 | 35 | 1400 | 14.0 | 5.5 | 13.9 | 30 | 42 |
| 40.0 | 450 | FE37F86I0406*A | I | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 1400 | 15.0 | 5.2 | 12.8 | 30 | 49 |
| 50.0 | 450 | FE37F96I0506*B | I | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1750 | 15.0 | 4.0 | 16.7 | 30 | 35 |
| 60.0 | 450 | FE37F96I0606*B | I | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 2100 | 16.5 | 4.0 | 13.8 | 30 | 35 |
| 40.0 | 450 | FE52G66I0406*B | I | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 35 | 1400 | 12.0 | 8.0 | 13.0 | 35 | 15 |
| 50.0 | 450 | FE52G66I0506*B | I | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 35 | 1750 | 14.0 | 6.5 | 11.8 | 35 | 15 |
| 55.0 | 450 | FE37GA6I0556*B | I | GA | 57.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1925 | 15.5 | 5.0 | 12.5 | 35 | 25 |
| 60.0 | 450 | FE37GA6I0606*B | I | GA | 57.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 2100 | 16.5 | 4.5 | 12.2 | 35 | 25 |
| 80.0 | 450 | FE52GA6I0806*B | I | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 16.0 | 4.0 | 14.6 | 35 | 25 |
| 100.0 | 450 | FE52GC6I0107*B | I | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2000 | 18.0 | 3.8 | 12.2 | 35 | 20 |
| 130.0 | 450 | FE52GF6I0137*B | I | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2600 | 22.0 | 3.5 | 8.9 | 35 | 20 |
| 140.0 | 450 | FE52GH6I0147*B | I | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2800 | 24.0 | 3.4 | 7.7 | 35 | 20 |
| 150.0 | 450 | FE52GK6I0157*B | I | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3000 | 26.0 | 3.2 | 6.9 | 35 | 20 |
| 160.0 | 450 | FE52GL6I0167*B | I | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3200 | 28.0 | 3.1 | 6.2 | 35 | 20 |
| 170.0 | 450 | FE52GL6I0177*B | I | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3400 | 30.0 | 3.0 | 5.6 | 35 | 20 |
| | | | | | Voltage V _{ndc} 500V | | | | | | Voltage Code H | | | | | | |
| 20.0 | 500 | FE37F46H0206*B | H | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 20.3 | 1.2 | 20 | 400 | 9.0 | 8.0 | 23.1 | 30 | 56 |
| 22.0 | 500 | FE37F56H0226*B | H | F5 | 42.5 | 38.0 | 20.0 | 37.5 | 20.3 | 1.2 | 20 | 440 | 10.0 | 7.0 | 21.4 | 30 | 56 |
| 25.0 | 500 | FE37F56H0256*B | H | F5 | 42.5 | 38.0 | 20.0 | 37.5 | 20.3 | 1.2 | 20 | 500 | 10.0 | 6.0 | 25.0 | 30 | 56 |
| 30.0 | 500 | FE37F86H0306*B | H | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 20.3 | 1.2 | 20 | 600 | 13.0 | 5.0 | 17.8 | 30 | 49 |
| 35.0 | 500 | FE37F86H0356*B | H | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 20.3 | 1.2 | 20 | 700 | 14.0 | 4.5 | 17.0 | 30 | 49 |



The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

DC FILTERING

FE - Standard *RoHS Compliant



RATING & PART NUMBER REFERENCE

| Cap | Rated Voltage | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt | Peak Current | I _{rms} | ESR 10KHz | R _{th} | ESL | SPQ | |
|-------|---------------|----------------|--------------|-----------|-------------------|-------|-------|-------|----------------|--------|-------|--------------|------------------|-----------|-----------------|-----|-----|--|
| | | | | | W | H | T | P1 | P2 | d | | | | | | | | |
| | | | | | ± 0.5 | ± 0.5 | ± 0.5 | ± 1.0 | ± 1.0 | ± 0.05 | | | | | | | | |
| µF | V | | | | mm | mm | mm | mm | mm | mm | V/us | A | A | mΩ | °C/W | nH | pcs | |
| 40.0 | 500 | FE37F96H0406*B | H | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 20 | 800 | 15.0 | 4.0 | 16.7 | 30 | 35 | |
| 45.0 | 500 | FE37F96H0456*B | H | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 20 | 900 | 16.0 | 3.5 | 16.7 | 30 | 35 | |
| 50.0 | 500 | FE37F96H0506*B | H | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 20 | 1000 | 17.0 | 3.0 | 17.3 | 30 | 35 | |
| 55.0 | 500 | FE37FP6H0556*B | H | FP | 42.5 | 57.0 | 30.0 | 37.5 | 20.3 | 1.2 | 20 | 1100 | 18.0 | 3.0 | 15.4 | 30 | 35 | |
| 60.0 | 500 | FE37FP6H0606*B | H | FP | 42.5 | 57.0 | 30.0 | 37.5 | 20.3 | 1.2 | 20 | 1200 | 18.0 | 3.0 | 15.4 | 30 | 35 | |
| 65.0 | 500 | FE37FP6H0656*B | H | FP | 42.5 | 57.0 | 30.0 | 37.5 | 20.3 | 1.2 | 20 | 1300 | 19.0 | 2.0 | 20.8 | 30 | 35 | |
| 50.0 | 500 | FE52G96H0506*B | H | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 10 | 500 | 11.0 | 6.0 | 20.7 | 35 | 30 | |
| 55.0 | 500 | FE52G96H0556*B | H | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 10 | 550 | 13.0 | 6.0 | 14.8 | 35 | 30 | |
| 60.0 | 500 | FE52GA6H0606*B | H | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 10 | 600 | 14.0 | 5.0 | 15.3 | 35 | 25 | |
| 65.0 | 500 | FE52GA6H0656*B | H | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 10 | 650 | 14.0 | 5.0 | 15.3 | 35 | 25 | |
| 70.0 | 500 | FE52GA6H0706*B | H | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 10 | 700 | 15.0 | 5.0 | 13.3 | 35 | 25 | |
| 75.0 | 500 | FE52GC6H0756*B | H | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 10 | 750 | 16.0 | 4.0 | 14.6 | 35 | 20 | |
| 80.0 | 500 | FE52GC6H0806*B | H | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 10 | 800 | 17.0 | 3.0 | 17.3 | 35 | 20 | |
| 90.0 | 500 | FE52GC6H0906*B | H | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 10 | 900 | 18.0 | 3.0 | 15.4 | 35 | 20 | |
| 100.0 | 500 | FE52GC6H0107*B | H | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 10 | 1000 | 19.0 | 3.0 | 13.9 | 35 | 20 | |
| 110.0 | 500 | FE52GB6H0117*B | H | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 10 | 1100 | 19.0 | 2.5 | 16.6 | 35 | 15 | |
| 120.0 | 500 | FE52GB6H0127*B | H | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 10 | 1200 | 19.0 | 2.5 | 16.6 | 35 | 15 | |
| 250.0 | 500 | FE52GJ6H0257*B | H | GJ | 57.5 | 65.0 | 70.0 | 52.5 | 20.3 | 1.2 | 4 | 1000 | 25.0 | 2.0 | 12.0 | 35 | 10 | |
| 500.0 | 500 | FE52GG6H0507*B | H | GG | 57.5 | 65.0 | 130.0 | 52.5 | 20.3 | 1.2 | 2 | 1000 | 45.0 | 1.5 | 4.9 | 35 | 5 | |
| | | | | | Voltage Vndc 550V | | | | Voltage Code J | | | | | | | | | |
| 20.0 | 550 | FE37F66J0206*A | J | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 12.5 | 6.5 | 14.8 | 30 | 56 | |
| 22.0 | 550 | FE37F66J0226*A | J | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 770 | 13.5 | 6.5 | 12.7 | 30 | 56 | |
| 25.0 | 550 | FE37F66J0256*A | J | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 875 | 14.5 | 6.5 | 11.0 | 30 | 56 | |
| 30.0 | 550 | FE37F86J0306*A | J | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 1050 | 16.0 | 6.0 | 9.8 | 30 | 49 | |
| 35.0 | 550 | FE37F96J0356*B | J | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1225 | 18.0 | 6.0 | 7.7 | 30 | 35 | |
| 40.0 | 550 | FE37F96J0406*B | J | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1400 | 18.0 | 5.5 | 8.4 | 30 | 35 | |
| 50.0 | 550 | FE37FN6J0506*B | J | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 35 | 1750 | 20.0 | 5.0 | 7.5 | 30 | 28 | |
| 40.0 | 550 | FE57G66J0406*B | J | G6 | 57.5 | 22.0 | 43.0 | 57.5 | 20.3 | 1.2 | 35 | 1400 | 16.0 | 5.8 | 10.1 | 35 | 15 | |
| 60.0 | 550 | FE37GA6J0606*B | J | GA | 57.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 20 | 1200 | 18.0 | 4.8 | 9.6 | 35 | 25 | |
| 75.0 | 550 | FE52GC6J0756*B | J | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1500 | 20.0 | 5.0 | 7.5 | 35 | 20 | |
| 100.0 | 550 | FE52GE6J0107*B | J | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 2000 | 24.0 | 4.5 | 5.8 | 35 | 15 | |
| 110.0 | 550 | FE52GE6J0117*B | J | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 2200 | 26.0 | 4.0 | 5.5 | 35 | 15 | |
| 130.0 | 550 | FE52GF6J0137*B | J | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2600 | 23.0 | 3.4 | 8.3 | 35 | 20 | |
| 140.0 | 550 | FE52GH6J0147*B | J | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2800 | 25.0 | 3.3 | 7.3 | 35 | 20 | |
| 150.0 | 550 | FE52GK6J0157*B | J | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3000 | 27.0 | 3.1 | 6.6 | 35 | 20 | |
| 160.0 | 550 | FE52GL6J0167*B | J | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3200 | 29.0 | 3.0 | 5.9 | 35 | 20 | |
| 170.0 | 550 | FE52GL6J0177*B | J | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3400 | 32.0 | 2.8 | 5.2 | 35 | 20 | |
| | | | | | Voltage Vndc 600V | | | | Voltage Code Q | | | | | | | | | |
| 10.0 | 600 | FE37F46Q0106*A | Q | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 25 | 250 | 8.0 | 12.0 | 19.5 | 30 | 56 | |
| 12.0 | 600 | FE37F46Q0126*A | Q | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 25 | 300 | 9.0 | 10.0 | 18.5 | 30 | 56 | |
| 15.0 | 600 | FE37F46Q0156*A | Q | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 25 | 375 | 10.0 | 8.0 | 18.8 | 30 | 56 | |
| 20.0 | 600 | FE37F56Q0206*A | Q | F5 | 42.5 | 38.0 | 20.0 | 37.5 | 10.2 | 1.2 | 25 | 500 | 12.0 | 6.0 | 17.4 | 30 | 56 | |
| 20.0 | 600 | FE37F66Q0206*A | Q | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 11.0 | 6.0 | 20.7 | 30 | 56 | |
| 22.0 | 600 | FE37F56Q0226*A | Q | F5 | 42.5 | 38.0 | 20.0 | 37.5 | 10.2 | 1.2 | 25 | 550 | 12.0 | 7.0 | 14.9 | 30 | 56 | |
| 25.0 | 600 | FE37F56Q0256*A | Q | F5 | 42.5 | 38.0 | 20.0 | 37.5 | 10.2 | 1.2 | 25 | 625 | 13.0 | 6.0 | 14.8 | 30 | 56 | |
| 30.0 | 600 | FE37F86Q0306*B | Q | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 25 | 750 | 15.0 | 5.0 | 13.3 | 30 | 49 | |
| 30.0 | 600 | FE37FL6Q0306*A | Q | FL | 42.5 | 37.0 | 28.0 | 37.5 | 10.2 | 1.2 | 35 | 1050 | 13.0 | 5.5 | 16.1 | 30 | 42 | |
| 35.0 | 600 | FE37F86Q0356*A | Q | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 1225 | 16.5 | 5.0 | 11.0 | 30 | 49 | |
| 35.0 | 600 | FE37F96Q0356*B | Q | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 25 | 875 | 18.0 | 3.5 | 13.2 | 30 | 35 | |
| 40.0 | 600 | FE37F96Q0406*B | Q | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1400 | 18.0 | 4.0 | 11.6 | 30 | 35 | |
| 45.0 | 600 | FE37F96Q0456*B | Q | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 25 | 1125 | 18.0 | 3.5 | 13.2 | 30 | 35 | |
| 50.0 | 600 | FE37FP6Q0506*B | Q | FP | 42.5 | 57.0 | 30.0 | 37.5 | 20.3 | 1.2 | 25 | 1250 | 19.0 | 2.5 | 16.6 | 30 | 35 | |
| 35.0 | 600 | FE52G66Q0356*B | Q | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 20 | 700 | 13.5 | 5.5 | 15.0 | 35 | 15 | |
| 40.0 | 600 | FE52G96Q0406*B | Q | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 20.3 | 1.2 | 14 | 560 | 14.0 | 6.0 | 12.8 | 35 | 30 | |
| 45.0 | 600 | FE52G96Q0456*B | Q | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 14 | 630 | 14.0 | 6.0 | 12.8 | 35 | 30 | |
| 50.0 | 600 | FE52GA6Q0506*B | Q | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 14 | 700 | 16.0 | 5.0 | 11.7 | 35 | 25 | |
| 50.0 | 600 | FE52GC6Q0506*B | Q | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1000 | 14.0 | 6.5 | 11.8 | 35 | 20 | |



DC FILTERING

FE - Standard *RoHS Compliant



RATING & PART NUMBER REFERENCE

| Cap | Rated Voltage | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt | Peak Current | I _{rms} | ESR 10KHz | R _{th} | ESL | SPQ | |
|-------|---------------|----------------|--------------|-----------|-------------------------------|---------|---------|----------------|----------|----------|-------|--------------|------------------|-----------|-----------------|-----|-----|--|
| | | | | | W ± 0.5 | H ± 0.5 | T ± 0.5 | P1 ± 1.0 | P2 ± 1.0 | d ± 0.05 | | | | | | | | |
| µF | V | | | | mm | mm | mm | mm | mm | mm | V/us | A | A | mΩ | °C/W | nH | pcs | |
| 55.0 | 600 | FE52GA6Q0556*B | Q | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 14 | 770 | 16.0 | 5.0 | 11.7 | 35 | 25 | |
| 60.0 | 600 | FE52GA6Q0606*B | Q | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 14 | 840 | 17.0 | 4.0 | 13.0 | 35 | 25 | |
| 60.0 | 600 | FE52GC6Q0606*B | Q | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1200 | 16.0 | 5.0 | 11.7 | 35 | 20 | |
| 65.0 | 600 | FE52GC6Q0656*B | Q | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 14 | 910 | 20.0 | 3.5 | 10.7 | 35 | 20 | |
| 70.0 | 600 | FE52GC6Q0706*B | Q | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 18.0 | 5.0 | 9.3 | 35 | 20 | |
| 75.0 | 600 | FE52GC6Q0756*B | Q | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 14 | 1050 | 21.0 | 3.5 | 9.7 | 35 | 20 | |
| 80.0 | 600 | FE52GC6Q0806*B | Q | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 14 | 1120 | 21.0 | 3.5 | 9.7 | 35 | 20 | |
| 80.0 | 600 | FE52GE6Q0806*B | Q | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 20.0 | 4.0 | 9.4 | 35 | 15 | |
| 90.0 | 600 | FE52GB6Q0906*B | Q | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 14 | 1260 | 22.0 | 3.0 | 10.3 | 35 | 15 | |
| 90.0 | 600 | FE52GE6Q0906*B | Q | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1800 | 24.0 | 4.0 | 6.5 | 35 | 15 | |
| 100.0 | 600 | FE52GB6Q0107*B | Q | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 14 | 1400 | 23.0 | 2.5 | 11.3 | 35 | 15 | |
| 100.0 | 600 | FE52GD6Q0107*B | Q | GD | 57.5 | 53.0 | 50.0 | 52.5 | 20.3 | 1.2 | 20 | 2000 | 26.0 | 4.0 | 5.5 | 35 | 15 | |
| 110.0 | 600 | FE52GD6Q0117*B | Q | GD | 57.5 | 53.0 | 50.0 | 52.5 | 20.3 | 1.2 | 20 | 2200 | 28.0 | 3.5 | 5.5 | 35 | 15 | |
| 120.0 | 600 | FE52GF6Q0127*B | Q | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2400 | 30.0 | 3.4 | 4.9 | 35 | 20 | |
| 130.0 | 600 | FE52GH6Q0137*B | Q | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2600 | 32.0 | 3.3 | 4.4 | 35 | 20 | |
| 140.0 | 600 | FE52GI6Q0147*B | Q | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 2800 | 34.0 | 3.2 | 4.1 | 35 | 15 | |
| 140.0 | 600 | FE52GK6Q0147*B | Q | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2800 | 34.0 | 3.2 | 4.1 | 35 | 20 | |
| 150.0 | 600 | FE52GL6Q0157*B | Q | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3000 | 36.0 | 3.0 | 3.9 | 35 | 20 | |
| 200.0 | 600 | FE52GJ6Q0207*D | Q | GJ | 57.5 | 65.0 | 70.0 | 52.5 | 20.3 | 1.2 | 5 | 1000 | 30.0 | 2.0 | 8.3 | 35 | 10 | |
| 400.0 | 600 | FE52GG6Q0407*E | Q | GG | 57.5 | 65.0 | 130.0 | 52.5 | 20.3 | 1.2 | 2.5 | 1000 | 50.0 | 1.5 | 4.0 | 35 | 5 | |
| | | | | | Voltage V _{ndc} 700V | | | Voltage Code A | | | | | | | | | | |
| 15.0 | 700 | FE37F6A0156*A | A | F6 | 42.5 | 33.5 | 22.0 | 37.5 | 10.2 | 1.2 | 35 | 525 | 10.0 | 8.0 | 18.8 | 30 | 49 | |
| 15.0 | 700 | FE37F6A0156*A | A | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 525 | 10.0 | 8.0 | 18.8 | 30 | 56 | |
| 20.0 | 700 | FE37FL6A0206*A | A | FL | 42.5 | 37.0 | 28.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 12.0 | 7.5 | 13.9 | 30 | 42 | |
| 22.0 | 700 | FE37F86A0226*A | A | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 770 | 14.0 | 6.5 | 11.8 | 30 | 49 | |
| 25.0 | 700 | FE37F86A0256*A | A | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 875 | 16.0 | 6.0 | 9.8 | 30 | 49 | |
| 30.0 | 700 | FE37F96A0306*B | A | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1050 | 16.0 | 5.8 | 10.1 | 30 | 35 | |
| 35.0 | 700 | FE37FN6A0356*B | A | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 35 | 1225 | 20.0 | 5.5 | 6.8 | 30 | 28 | |
| 30.0 | 700 | FE52G66A0306*B | A | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 20 | 600 | 12.0 | 8.5 | 12.3 | 35 | 15 | |
| 40.0 | 700 | FE52GA6A0406*B | A | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 800 | 14.0 | 5.0 | 15.3 | 35 | 25 | |
| 45.0 | 700 | FE52GA6A0456*B | A | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 900 | 15.5 | 5.0 | 12.5 | 35 | 25 | |
| 50.0 | 700 | FE52GC6A0506*B | A | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1000 | 15.0 | 4.8 | 13.9 | 35 | 20 | |
| 55.0 | 700 | FE52GC6A0556*B | A | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1100 | 16.0 | 4.5 | 13.0 | 35 | 20 | |
| 60.0 | 700 | FE52GC6A0606*B | A | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1200 | 18.0 | 4.0 | 11.6 | 35 | 20 | |
| 65.0 | 700 | FE52GE6A0656*B | A | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1300 | 20.0 | 4.0 | 9.4 | 35 | 15 | |
| 70.0 | 700 | FE52GE6A0706*B | A | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 20.0 | 3.8 | 9.9 | 35 | 15 | |
| 75.0 | 700 | FE52GE6A0756*B | A | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1500 | 20.0 | 3.8 | 9.9 | 35 | 15 | |
| 80.0 | 700 | FE52GE6A0806*B | A | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 22.0 | 3.5 | 8.9 | 35 | 15 | |
| 80.0 | 700 | FE52GF6A0806*B | A | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 23.0 | 3.4 | 8.3 | 35 | 20 | |
| 90.0 | 700 | FE52GE6A0906*B | A | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1800 | 24.0 | 3.5 | 7.4 | 35 | 15 | |
| 90.0 | 700 | FE52GF6A0906*B | A | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1800 | 24.0 | 3.5 | 7.4 | 35 | 20 | |
| 100.0 | 700 | FE52GH6A0107*B | A | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2000 | 26.0 | 3.5 | 6.3 | 35 | 20 | |
| 110.0 | 700 | FE52GK6A0117*B | A | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2200 | 28.0 | 3.4 | 5.6 | 35 | 20 | |
| 120.0 | 700 | FE52GL6A0127*B | A | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2400 | 30.0 | 3.0 | 5.6 | 35 | 20 | |
| 130.0 | 700 | FE52GI6A0137*B | A | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 2600 | 32.0 | 2.8 | 5.2 | 35 | 15 | |
| | | | | | Voltage V _{ndc} 800V | | | Voltage Code B | | | | | | | | | | |
| 10.0 | 800 | FE37F46B0106*B | B | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 35 | 350 | 8.0 | 12.0 | 19.5 | 30 | 56 | |
| 12.0 | 800 | FE37F46B0126*B | B | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 35 | 420 | 9.0 | 10.0 | 18.5 | 30 | 56 | |
| 15.0 | 800 | FE37F46B0156*B | B | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 35 | 525 | 10.0 | 8.0 | 18.8 | 30 | 56 | |
| 15.0 | 800 | FE37F66B0156*A | B | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 525 | 10.0 | 8.0 | 18.8 | 30 | 56 | |
| 20.0 | 800 | FE37F56B0206*B | B | F5 | 42.5 | 38.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 12.0 | 6.0 | 17.4 | 30 | 56 | |
| 20.0 | 800 | FE37F86B0206*A | B | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 13.5 | 6.5 | 12.7 | 30 | 49 | |
| 20.0 | 800 | FE37FL6B0206*A | B | FL | 42.5 | 37.0 | 28.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 12.0 | 7.0 | 14.9 | 30 | 42 | |
| 22.0 | 800 | FE37F86B0226*A | B | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 770 | 14.0 | 6.0 | 12.8 | 30 | 49 | |
| 22.0 | 800 | FE37F86B0226*B | B | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 770 | 14.0 | 5.0 | 15.3 | 30 | 49 | |
| 25.0 | 800 | FE37F86B0256*B | B | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 875 | 14.0 | 5.0 | 15.3 | 30 | 49 | |
| 25.0 | 800 | FE37F96B0256*B | B | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 875 | 14.0 | 5.5 | 13.9 | 30 | 35 | |



The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

DC FILTERING

FE - Standard *RoHS Compliant



RATING & PART NUMBER REFERENCE

| Cap | Rated Voltage | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt | Peak Current | I _{rms} | ESR 10KHz | R _{th} | ESL | SPQ | |
|-------|---------------|----------------|--------------|-----------|-------------------------------|---------|---------|----------------|----------|----------|-------|--------------|------------------|-----------|-----------------|-----|-----|--|
| | | | | | W ± 0.5 | H ± 0.5 | T ± 0.5 | P1 ± 1.0 | P2 ± 1.0 | d ± 0.05 | | | | | | | | |
| µF | V | | | | mm | mm | mm | mm | mm | mm | V/us | A | A | mΩ | °C/W | nH | pcs | |
| 30.0 | 800 | FE37F96B0306*B | B | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1050 | 16.0 | 4.5 | 13.0 | 30 | 35 | |
| 35.0 | 800 | FE37F96B0356*B | B | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1225 | 18.0 | 3.5 | 13.2 | 30 | 35 | |
| 40.0 | 800 | FE37FP6B0406*B | B | FP | 42.5 | 57.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1400 | 19.0 | 2.5 | 16.6 | 30 | 35 | |
| 30.0 | 800 | FE52G96B0306*B | B | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 18 | 540 | 12.0 | 8.0 | 13.0 | 35 | 30 | |
| 35.0 | 800 | FE52G96B0356*B | B | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 18 | 630 | 13.0 | 7.0 | 12.7 | 35 | 30 | |
| 35.0 | 800 | FE52GA6B0356*B | B | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 700 | 14.2 | 6.5 | 11.4 | 35 | 25 | |
| 40.0 | 800 | FE52G96B0406*B | B | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 18 | 720 | 14.0 | 6.0 | 12.8 | 35 | 30 | |
| 40.0 | 800 | FE52GA6B0406*B | B | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 800 | 14.0 | 6.0 | 12.8 | 35 | 25 | |
| 45.0 | 800 | FE52GA6B0456*B | B | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 900 | 15.5 | 5.5 | 11.4 | 35 | 25 | |
| 47.0 | 800 | FE52GC6B0476*B | B | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 940 | 17.5 | 5.0 | 9.8 | 35 | 20 | |
| 50.0 | 800 | FE52GA6B0506*B | B | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 18 | 900 | 16.0 | 5.0 | 11.7 | 35 | 25 | |
| 50.0 | 800 | FE52GC6B0506*B | B | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1000 | 16.0 | 5.0 | 11.7 | 35 | 20 | |
| 55.0 | 800 | FE52GC6B0556*B | B | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1100 | 17.0 | 4.6 | 11.3 | 35 | 20 | |
| 60.0 | 800 | FE52GC6B0606*B | B | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 18 | 1080 | 19.0 | 4.0 | 10.4 | 35 | 20 | |
| 65.0 | 800 | FE52GC6B0656*B | B | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 18 | 1170 | 20.0 | 3.5 | 10.9 | 35 | 20 | |
| 65.0 | 800 | FE52GE6B0656*B | B | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1300 | 20.0 | 4.0 | 9.4 | 35 | 15 | |
| 65.0 | 800 | FE52GF6B0656*B | B | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1300 | 19.0 | 4.0 | 10.4 | 35 | 20 | |
| 70.0 | 800 | FE52GB6B0706*B | B | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 18 | 1260 | 20.0 | 3.5 | 10.7 | 35 | 15 | |
| 70.0 | 800 | FE52GE6B0706*B | B | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 20.0 | 3.8 | 9.9 | 35 | 15 | |
| 70.0 | 800 | FE52GF6B0706*B | B | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 20.0 | 3.8 | 9.9 | 35 | 20 | |
| 75.0 | 800 | FE52GB6B0756*B | B | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 18 | 1350 | 22.0 | 3.0 | 10.3 | 35 | 15 | |
| 75.0 | 800 | FE52GE6B0756*B | B | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1500 | 22.0 | 3.8 | 8.2 | 35 | 15 | |
| 75.0 | 800 | FE52GH6B0756*B | B | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1500 | 22.0 | 3.8 | 8.2 | 35 | 20 | |
| 80.0 | 800 | FE52GB6B0806*B | B | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 18 | 1440 | 22.0 | 3.0 | 10.3 | 35 | 15 | |
| 80.0 | 800 | FE52GI6B0806*B | B | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 23.0 | 3.5 | 8.1 | 35 | 15 | |
| 80.0 | 800 | FE52GK6B0806*B | B | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 23.0 | 3.5 | 8.1 | 35 | 20 | |
| 90.0 | 800 | FE52GI6B0906*B | B | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1800 | 25.0 | 3.3 | 7.3 | 35 | 15 | |
| 90.0 | 800 | FE52GL6B0906*B | B | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1800 | 25.0 | 3.3 | 7.3 | 35 | 20 | |
| 100.0 | 800 | FE52GI6B0107*B | B | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 2000 | 28.0 | 3.2 | 6.0 | 35 | 15 | |
| 160.0 | 800 | FE52GJ6B0167*D | B | GJ | 57.5 | 65.0 | 70.0 | 52.5 | 20.3 | 1.2 | 8 | 1280 | 30.0 | 2.5 | 6.7 | 35 | 10 | |
| 320.0 | 800 | FE52GG6B0327*E | B | GG | 57.5 | 65.0 | 130.0 | 52.5 | 20.3 | 1.2 | 4 | 1280 | 55.0 | 1.5 | 3.3 | 35 | 5 | |
| | | | | | Voltage V _{ndc} 900V | | | Voltage Code C | | | | | | | | | | |
| 9.0 | 900 | FE37F46C0905*B | C | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 35 | 315 | 9.0 | 12.0 | 15.4 | 30 | 56 | |
| 10.0 | 900 | FE37F46C0106*B | C | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 35 | 350 | 9.0 | 11.0 | 16.8 | 30 | 56 | |
| 10.0 | 900 | FE37F66C0106*A | C | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 350 | 9.5 | 11.5 | 14.5 | 30 | 56 | |
| 12.0 | 900 | FE37F46C0126*B | C | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 35 | 420 | 9.0 | 9.0 | 20.6 | 30 | 56 | |
| 15.0 | 900 | FE37F56C0156*B | C | F5 | 42.5 | 38.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 525 | 11.0 | 8.0 | 15.5 | 30 | 56 | |
| 15.0 | 900 | FE37F86C0156*A | C | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 525 | 12.0 | 7.5 | 13.9 | 30 | 49 | |
| 18.0 | 900 | FE37F86C0186*A | C | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 630 | 12.0 | 7.5 | 13.9 | 30 | 49 | |
| 20.0 | 900 | FE37F86C0206*B | C | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 14.0 | 5.0 | 15.3 | 30 | 49 | |
| 20.0 | 900 | FE37F96C0206*B | C | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 700 | 15.0 | 5.5 | 12.1 | 30 | 35 | |
| 22.0 | 900 | FE37F96C0226*B | C | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 770 | 15.0 | 5.0 | 13.3 | 30 | 35 | |
| 25.0 | 900 | FE37F96C0256*B | C | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 875 | 17.0 | 5.5 | 9.4 | 30 | 35 | |
| 30.0 | 900 | FE37FN6C0306*B | C | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 35 | 1050 | 19.0 | 5.0 | 8.3 | 30 | 28 | |
| 30.0 | 900 | FE37FP6C0306*B | C | FP | 42.5 | 57.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1050 | 18.0 | 4.0 | 11.6 | 30 | 35 | |
| 35.0 | 900 | FE37FP6C0356*B | C | FP | 42.5 | 57.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1225 | 19.0 | 3.0 | 13.9 | 30 | 35 | |
| 20.0 | 900 | FE52G66C0206*B | C | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 20 | 400 | 12.0 | 8.6 | 12.1 | 35 | 15 | |
| 30.0 | 900 | FE52G96C0306*B | C | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 18 | 540 | 13.0 | 7.0 | 12.7 | 35 | 30 | |
| 30.0 | 900 | FE52GA6C0306*B | C | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 600 | 15.0 | 5.5 | 12.1 | 35 | 25 | |
| 35.0 | 900 | FE52GA6C0356*B | C | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 18 | 630 | 14.0 | 6.0 | 12.8 | 35 | 25 | |
| 35.0 | 900 | FE52GC6C0356*B | C | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 700 | 15.5 | 5.5 | 11.4 | 35 | 20 | |
| 40.0 | 900 | FE52GA6C0406*B | C | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 18 | 720 | 15.0 | 5.0 | 13.3 | 35 | 25 | |
| 40.0 | 900 | FE52GC6C0406*B | C | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 800 | 16.0 | 6.5 | 9.0 | 35 | 20 | |
| 45.0 | 900 | FE52GC6C0456*B | C | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 18 | 810 | 17.0 | 5.0 | 10.4 | 35 | 20 | |
| 50.0 | 900 | FE52GC6C0506*B | C | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1000 | 18.0 | 3.6 | 12.9 | 35 | 20 | |
| 55.0 | 900 | FE52GB6C0556*B | C | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 18 | 990 | 19.0 | 4.0 | 10.4 | 35 | 15 | |
| 55.0 | 900 | FE52GE6C0556*B | C | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1100 | 20.0 | 3.4 | 11.0 | 35 | 15 | |



DC FILTERING

FE - Standard *RoHS Compliant



RATING & PART NUMBER REFERENCE

| Cap | Rated Voltage | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt | Peak Current | I _{rms} | ESR 10KHz | R _{th} | ESL | SPQ |
|-------|---------------|----------------|--------------|-----------|--------------------|---------|---------|----------------|----------|----------|-------|--------------|------------------|-----------|-----------------|-----|-----|
| | | | | | W ± 0.5 | H ± 0.5 | T ± 0.5 | P1 ± 1.0 | P2 ± 1.0 | d ± 0.05 | | | | | | | |
| µF | V | | | | mm | mm | mm | mm | mm | mm | V/us | A | A | mΩ | °C/W | nH | pcs |
| 55.0 | 900 | FE52GF6C0556*B | C | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1100 | 19.0 | 3.5 | 11.9 | 35 | 20 |
| 60 | 900 | FE52GB6C0606*B | C | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 18 | 1080 | 20.0 | 3.5 | 10.7 | 35 | 15 |
| 60.0 | 900 | FE52GE6C0606*B | C | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1200 | 20.0 | 3.4 | 11.0 | 35 | 15 |
| 65.0 | 900 | FE52GK6C0656*B | C | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1300 | 22.0 | 3.3 | 9.4 | 35 | 20 |
| 70.0 | 900 | FE52GE6C0706*B | C | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 24.0 | 3.2 | 8.1 | 35 | 15 |
| 70.0 | 900 | FE52GL6C0706*B | C | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 24.0 | 3.2 | 8.1 | 35 | 20 |
| 80.0 | 900 | FE52GI6C0806*B | C | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 25.0 | 3.2 | 7.5 | 35 | 15 |
| 120 | 900 | FE52GJ6C0127*D | C | GJ | 57.5 | 65.0 | 70.0 | 52.5 | 20.3 | 1.2 | 13 | 1560 | 25.0 | 3.0 | 8.0 | 35 | 10 |
| 240 | 900 | FE52GG6C0247*E | C | GG | 57.5 | 65.0 | 130.0 | 52.5 | 20.3 | 1.2 | 6 | 1440 | 45.0 | 1.5 | 4.9 | 35 | 5 |
| | | | | | Voltage Vndc 1000V | | | Voltage Code K | | | | | | | | | |
| 5.0 | 1000 | FE37F46K0505*B | K | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 35 | 175 | 7.0 | 19.0 | 16.1 | 30 | 56 |
| 6.0 | 1000 | FE37F46K0605*B | K | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 35 | 210 | 7.0 | 16.0 | 19.1 | 30 | 56 |
| 7.0 | 1000 | FE37F46K0705*B | K | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 35 | 245 | 7.0 | 16.0 | 19.1 | 30 | 56 |
| 8.0 | 1000 | FE37F46K0805*B | K | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 35 | 280 | 8.0 | 14.0 | 16.7 | 30 | 56 |
| 9.0 | 1000 | FE37F46K0905*B | K | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 35 | 315 | 8.0 | 12.0 | 19.5 | 30 | 56 |
| 10.0 | 1000 | FE37F56K0106*B | K | F5 | 42.5 | 38.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 350 | 9.0 | 11.0 | 16.8 | 30 | 56 |
| 10.0 | 1000 | FE37F66K0106*A | K | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 40 | 400 | 9.5 | 11.5 | 14.5 | 30 | 56 |
| 12.0 | 1000 | FE37F56K0126*B | K | F5 | 42.5 | 38.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 420 | 10.0 | 9.0 | 16.7 | 30 | 56 |
| 12.0 | 1000 | FE37F86K0126*A | K | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 40 | 480 | 10.5 | 9.0 | 15.1 | 30 | 49 |
| 15.0 | 1000 | FE37F86K0156*A | K | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 40 | 600 | 12.0 | 7.5 | 13.9 | 30 | 49 |
| 15.0 | 1000 | FE37F86K0156*B | K | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 525 | 12.0 | 7.0 | 14.9 | 30 | 49 |
| 15.0 | 1000 | FE37F96K0156*B | K | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 40 | 600 | 14.0 | 7.5 | 10.2 | 30 | 35 |
| 20.0 | 1000 | FE37F96K0206*B | K | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 40 | 800 | 15.0 | 6.5 | 10.3 | 30 | 35 |
| 22.0 | 1000 | FE37FP6K0226*B | K | FP | 42.5 | 57.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 770 | 15.0 | 5.0 | 13.3 | 30 | 35 |
| 25.0 | 1000 | FE37FN6K0256*B | K | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 40 | 1000 | 18.0 | 5.5 | 8.4 | 30 | 28 |
| 25.0 | 1000 | FE37FP6K0256*B | K | FP | 42.5 | 57.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 875 | 17.0 | 3.5 | 14.8 | 30 | 35 |
| 15.0 | 1000 | FE52G66K0156*B | K | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 40 | 600 | 12.0 | 8.5 | 12.3 | 35 | 15 |
| 15.0 | 1000 | FE52G96K0156*B | K | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 18 | 270 | 10.0 | 12.0 | 12.5 | 35 | 30 |
| 20.0 | 1000 | FE52G96K0206*B | K | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 18 | 360 | 10.0 | 11.0 | 13.6 | 35 | 30 |
| 22.0 | 1000 | FE52G96K0226*B | K | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 18 | 396 | 11.0 | 10.0 | 12.4 | 35 | 30 |
| 25.0 | 1000 | FE52GA6K0256*B | K | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 18 | 450 | 12.0 | 9.0 | 11.6 | 35 | 25 |
| 30.0 | 1000 | FE52GA6K0306*B | K | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 25 | 750 | 15.0 | 5.5 | 12.1 | 35 | 25 |
| 35.0 | 1000 | FE52GC6K0356*B | K | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 875 | 16.0 | 5.5 | 10.7 | 35 | 20 |
| 40.0 | 1000 | FE52GC6K0406*B | K | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1000 | 16.0 | 5.0 | 11.7 | 35 | 20 |
| 40.0 | 1000 | FE52GE6K0406*B | K | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 25 | 1000 | 17.0 | 5.0 | 10.4 | 35 | 15 |
| 45.0 | 1000 | FE52GB6K0456*B | K | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 18 | 810 | 17.0 | 5.0 | 10.4 | 35 | 15 |
| 50.0 | 1000 | FE52GB6K0506*B | K | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 18 | 900 | 18.0 | 4.0 | 11.6 | 35 | 15 |
| 50.0 | 1000 | FE52GE6K0506*B | K | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 25 | 1250 | 19.0 | 4.5 | 9.2 | 35 | 15 |
| 50.0 | 1000 | FE52GH6K0506*B | K | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1250 | 19.0 | 4.5 | 9.2 | 35 | 20 |
| 55.0 | 1000 | FE52GK6K0556*B | K | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1375 | 20.0 | 4.4 | 8.5 | 35 | 20 |
| 60.0 | 1000 | FE52GI6K0606*B | K | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 25 | 1500 | 22.0 | 4.0 | 7.7 | 35 | 15 |
| 60.0 | 1000 | FE52GL6K0606*B | K | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1500 | 22.0 | 4.0 | 7.7 | 35 | 20 |
| 100.0 | 1000 | FE52GJ6K0107*D | K | GJ | 57.5 | 65.0 | 70.0 | 52.5 | 20.3 | 1.2 | 15 | 1500 | 25.0 | 3.5 | 6.9 | 35 | 10 |
| 200.0 | 1000 | FE52GG6K0207*E | K | GG | 57.5 | 65.0 | 130.0 | 52.5 | 20.3 | 1.2 | 7 | 1400 | 45.0 | 1.5 | 4.9 | 35 | 5 |
| | | | | | Voltage Vndc 1100V | | | Voltage Code L | | | | | | | | | |
| 6.8 | 1100 | FE37FI6L0685*A | L | FI | 42.5 | 33.5 | 22.0 | 37.5 | 10.2 | 1.2 | 40 | 272 | 12.0 | 13.5 | 7.7 | 30 | 49 |
| 8.0 | 1100 | FE37F66L0805*A | L | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 40 | 320 | 12.5 | 12.5 | 7.7 | 30 | 56 |
| 8.0 | 1100 | FE37FK6L0805*A | L | FK | 42.5 | 37.0 | 22.0 | 37.5 | 10.2 | 1.2 | 40 | 320 | 12.5 | 12.5 | 7.7 | 30 | 49 |
| 9.0 | 1100 | FE37FK6L0905*A | L | FK | 42.5 | 37.0 | 22.0 | 37.5 | 10.2 | 1.2 | 40 | 360 | 12.8 | 12.2 | 7.5 | 30 | 49 |
| 10.0 | 1100 | FE37F86L0106*A | L | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 40 | 400 | 15.0 | 8.5 | 7.8 | 30 | 49 |
| 12.0 | 1100 | FE37F96L0126*B | L | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 40 | 480 | 15.5 | 7.5 | 8.3 | 30 | 35 |
| 15.0 | 1100 | FE37F96L0156*B | L | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 40 | 600 | 16.0 | 7.0 | 8.4 | 30 | 35 |
| 18.0 | 1100 | FE37FN6L0186*B | L | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 40 | 720 | 15.5 | 7.5 | 8.3 | 30 | 28 |
| 20.0 | 1100 | FE37FN6L0206*B | L | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 40 | 800 | 16.5 | 7.2 | 7.7 | 30 | 28 |
| 20.0 | 1100 | FE52GA6L0206*B | L | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 25 | 500 | 12.0 | 8.5 | 12.3 | 35 | 25 |
| 25.0 | 1100 | FE52GC6L0256*B | L | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 625 | 13.0 | 8.2 | 10.8 | 35 | 20 |
| 30.0 | 1100 | FE52GC6L0306*B | L | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 750 | 15.0 | 5.0 | 13.3 | 35 | 20 |



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DC FILTERING

FE - Standard *RoHS Compliant



RATING & PART NUMBER REFERENCE

| Cap uF | Rated Voltage V | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt V/us | Peak Current A | I _{rms} A | ESR 10KHz mΩ | R _{th} °C/W | ESL nH | SPQ pcs |
|-----------|-----------------------|----------------|-----------------|--------------|--------------------------------|------------------|------------------|-------------------|-------------------|-------------------|---------------|----------------------|-----------------------|--------------------|-------------------------|-----------|------------|
| | | | | | W ± 0.5 mm | H ± 0.5 mm | T ± 0.5 mm | P1 ± 1.0 mm | P2 ± 1.0 mm | d ± 0.05 mm | | | | | | | |
| | | | | | Voltage V _{ndc} 1200V | | | Voltage Code P | | | | | | | | | |
| 35.0 | 1100 | FE52GF6L0356*B | L | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 875 | 16.0 | 4.9 | 12.0 | 35 | 20 |
| 40.0 | 1100 | FE52GH6L0406*B | L | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1000 | 17.0 | 5.5 | 9.4 | 35 | 20 |
| 40.0 | 1100 | FE52GE6L0406*B | L | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 25 | 1000 | 17.0 | 5.5 | 9.4 | 35 | 15 |
| 45.0 | 1100 | FE52GK6L0456*B | L | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1125 | 18.0 | 5.4 | 8.6 | 35 | 20 |
| 50.0 | 1100 | FE52GI6L0506*B | L | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 25 | 1250 | 19.5 | 5.2 | 7.6 | 35 | 15 |
| 5.0 | 1200 | FE37F46P0505*B | P | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 40 | 200 | 7.0 | 16.0 | 19.1 | 30 | 56 |
| 6.0 | 1200 | FE37F46P0605*B | P | F4 | 42.5 | 36.0 | 19.0 | 37.5 | 10.2 | 1.2 | 40 | 240 | 8.0 | 14.0 | 16.7 | 30 | 56 |
| 7.0 | 1200 | FE37F56P0705*B | P | F5 | 42.5 | 38.0 | 20.0 | 37.5 | 10.2 | 1.2 | 40 | 280 | 9.0 | 12.0 | 15.4 | 30 | 56 |
| 7.0 | 1200 | FE37FK6P0705*A | P | FK | 42.5 | 37.0 | 22.0 | 37.5 | 10.2 | 1.2 | 45 | 315 | 8.0 | 15.2 | 15.4 | 30 | 49 |
| 8.0 | 1200 | FE37F56P0805*B | P | F5 | 42.5 | 38.0 | 20.0 | 37.5 | 10.2 | 1.2 | 40 | 320 | 10.0 | 10.0 | 15.0 | 30 | 56 |
| 8.0 | 1200 | FE37F86P0805*A | P | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 45 | 360 | 9.0 | 12.5 | 14.8 | 30 | 49 |
| 9.0 | 1200 | FE37F86P0905*B | P | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 40 | 360 | 11.0 | 9.0 | 13.8 | 30 | 49 |
| 10.0 | 1200 | FE37F86P0106*A | P | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 45 | 450 | 10.0 | 10.5 | 14.3 | 30 | 49 |
| 10.0 | 1200 | FE37F86P0106*B | P | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 40 | 400 | 11.0 | 8.0 | 15.5 | 30 | 49 |
| 10.0 | 1200 | FE37F96P0106*B | P | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 45 | 450 | 12.0 | 8.0 | 13.0 | 30 | 35 |
| 12.0 | 1200 | FE37F96P0126*B | P | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 40 | 480 | 13.0 | 7.0 | 12.7 | 30 | 35 |
| 15.0 | 1200 | FE37FN6P0156*B | P | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 45 | 675 | 15.0 | 6.5 | 10.3 | 30 | 28 |
| 15.0 | 1200 | FE37FP6P0156*B | P | FP | 42.5 | 57.0 | 30.0 | 37.5 | 20.3 | 1.2 | 40 | 600 | 14.0 | 5.0 | 15.3 | 30 | 35 |
| 10.0 | 1200 | FE52G96P0106*B | P | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 20 | 200 | 9.0 | 16.0 | 11.6 | 35 | 30 |
| 12.0 | 1200 | FE52G96P0126*B | P | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 20 | 240 | 9.0 | 13.0 | 14.2 | 35 | 30 |
| 15.0 | 1200 | FE52G96P0156*B | P | G9 | 57.5 | 45.0 | 25.0 | 52.5 | 10.2 | 1.2 | 20 | 300 | 10.0 | 11.0 | 13.6 | 35 | 30 |
| 20.0 | 1200 | FE52GA6P0206*B | P | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 30 | 600 | 13.0 | 8.5 | 10.4 | 35 | 25 |
| 22.0 | 1200 | FE52GC6P0226*B | P | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 440 | 14.0 | 7.0 | 10.9 | 35 | 20 |
| 25.0 | 1200 | FE52GC6P0256*B | P | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 30 | 750 | 15.0 | 6.5 | 10.3 | 35 | 20 |
| 30.0 | 1200 | FE52GB6P0306*B | P | GB | 57.5 | 45.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 600 | 16.0 | 5.0 | 11.7 | 35 | 15 |
| 30.0 | 1200 | FE52GE6P0306*B | P | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 30 | 900 | 17.0 | 5.5 | 9.4 | 35 | 15 |
| 30.0 | 1200 | FE52GF6P0306*B | P | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 30 | 900 | 17.0 | 5.5 | 9.4 | 35 | 20 |
| 35.0 | 1200 | FE52GE6P0356*B | P | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 30 | 1050 | 18.0 | 5.0 | 9.3 | 35 | 15 |
| 35.0 | 1200 | FE52GK6P0356*B | P | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 30 | 1050 | 18.0 | 5.0 | 9.3 | 35 | 20 |
| 40.0 | 1200 | FE52GI6P0406*B | P | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 30 | 1200 | 20.0 | 4.5 | 8.3 | 35 | 15 |
| 45.0 | 1200 | FE52GI6P0456*B | P | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 30 | 1350 | 22.0 | 4.3 | 7.2 | 35 | 15 |
| 60.0 | 1200 | FE52GJ6P0606*D | P | GJ | 57.5 | 65.0 | 70.0 | 52.5 | 20.3 | 1.2 | 20 | 1200 | 40.0 | 2.5 | 3.8 | 35 | 10 |
| 65.0 | 1200 | FE52GJ6P0656*D | P | GJ | 57.5 | 65.0 | 70.0 | 52.5 | 20.3 | 1.2 | 18 | 1170 | 40.0 | 2.0 | 4.7 | 35 | 10 |
| 140.0 | 1200 | FE52GG6P0147*E | P | GG | 57.5 | 65.0 | 130.0 | 52.5 | 20.3 | 1.2 | 10 | 1400 | 45.0 | 1.5 | 4.9 | 35 | 5 |



DC FILTERING

FE - Low Profile *RoHS Compliant



CASE CODE

mm

| Case Code | Dimensions | | | | | |
|-----------|------------|------------|------------|-------------|-------------|-------------|
| | W ± 0.5 | H ± 0.5 | T ± 0.5 | P1 ± 1.0 | P2 ± 1.0 | d ± 0.05 |
| | mm | mm | mm | mm | mm | mm |
| FA | 42.0 | 15.0 | 27.0 | 37.5 | 10.2 | 1.2 |
| FB | 42.0 | 15.0 | 33.0 | 37.5 | 10.2 | 1.2 |
| FC | 42.0 | 18.0 | 24.0 | 37.5 | 10.2 | 1.2 |
| FD | 42.0 | 18.0 | 27.0 | 37.5 | 10.2 | 1.2 |
| FE | 42.0 | 18.0 | 39.0 | 37.5 | 10.2 | 1.2 |
| FF | 42.0 | 24.0 | 30.0 | 37.5 | 10.2 | 1.2 |
| FG | 42.0 | 24.0 | 39.0 | 37.5 | 10.2 | 1.2 |
| G1 | 57.5 | 15.0 | 33.0 | 52.5 | 20.3 | 1.2 |
| G2 | 57.5 | 15.0 | 45.0 | 52.5 | 20.3 | 1.2 |
| G3 | 57.5 | 15.0 | 62.0 | 52.5 | 20.3 | 1.2 |
| G4 | 57.5 | 18.0 | 35.0 | 52.5 | 20.3 | 1.2 |
| G5 | 57.5 | 18.0 | 50.0 | 52.5 | 20.3 | 1.2 |
| G7 | 57.5 | 24.0 | 39.0 | 52.5 | 20.3 | 1.2 |
| G8 | 57.5 | 24.0 | 70.0 | 52.5 | 20.3 | 1.2 |

LOW PROFILE RATING & PART NUMBER REFERENCE

| Cap uF | Rated Voltage V | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt V/us | Peak Current A | Irms A | ESR 10KHz mΩ | Rth °C/W | ESL nH | SPQ pcs |
|-----------|-----------------------|----------------|-----------------|--------------|--------------------|------------|------------|----------------|-------------|-------------|---------------|----------------------|-----------|--------------------|-------------|-----------|------------|
| | | | | | W ± 0.5 | H ± 0.5 | T ± 0.5 | P1 ± 1.0 | P2 ± 1.0 | d ± 0.05 | | | | | | | |
| | | | | | mm | mm | mm | mm | mm | mm | | | | | | | |
| | | | | | Voltage Vndc 500V | | | Voltage Code H | | | | | | | | | |
| 10.0 | 500 | FE37FA8H0106*A | H | FA | 42.0 | 15.0 | 27.0 | 37.5 | 10.2 | 1.2 | 15 | 150 | 5.0 | 7.5 | 80.0 | 30 | 42 |
| 15.0 | 500 | FE37FB8H0156*A | H | FB | 42.0 | 15.0 | 33.0 | 37.5 | 10.2 | 1.2 | 15 | 225 | 7.0 | 5.0 | 61.2 | 30 | 35 |
| 20.0 | 500 | FE52G18H0206*B | H | G1 | 57.5 | 15.0 | 33.0 | 52.5 | 20.3 | 1.2 | 7 | 140 | 6.5 | 8.0 | 44.4 | 35 | 30 |
| 30.0 | 500 | FE52G28H0306*B | H | G2 | 57.5 | 15.0 | 45.0 | 52.5 | 20.3 | 1.2 | 7 | 210 | 9.0 | 5.5 | 33.7 | 35 | 15 |
| 50.0 | 500 | FE52G38H0506*D | H | G3 | 57.5 | 15.0 | 62.0 | 52.5 | 20.3 | 1.2 | 7 | 350 | 13.5 | 3.5 | 23.5 | 35 | 10 |
| 10.0 | 500 | FE37FC8H0106*A | H | FC | 42.0 | 18.0 | 24.0 | 37.5 | 10.2 | 1.2 | 15 | 150 | 5.5 | 7.5 | 66.1 | 30 | 49 |
| 15.0 | 500 | FE37FD8H0156*A | H | FD | 42.0 | 18.0 | 27.0 | 37.5 | 10.2 | 1.2 | 15 | 225 | 7.0 | 5.0 | 61.2 | 30 | 42 |
| 20.0 | 500 | FE37FE8H0206*A | H | FE | 42.0 | 18.0 | 39.0 | 37.5 | 10.2 | 1.2 | 15 | 300 | 9.0 | 4.0 | 46.3 | 30 | 28 |
| 30.0 | 500 | FE52G48H0306*B | H | G4 | 57.5 | 18.0 | 35.0 | 52.5 | 20.3 | 1.2 | 7 | 210 | 8.5 | 5.5 | 37.7 | 35 | 20 |
| 50.0 | 500 | FE52G58H0506*B | H | G5 | 57.5 | 18.0 | 50.0 | 52.5 | 20.3 | 1.2 | 7 | 350 | 12.5 | 3.5 | 27.4 | 35 | 15 |
| 20.0 | 500 | FE37FF8H0206*A | H | FF | 42.0 | 24.0 | 30.0 | 37.5 | 10.2 | 1.2 | 15 | 300 | 9.0 | 4.0 | 46.3 | 30 | 35 |
| 30.0 | 500 | FE37FG8H0306*A | H | FG | 42.0 | 24.0 | 39.0 | 37.5 | 10.2 | 1.2 | 15 | 450 | 12.0 | 2.5 | 41.7 | 30 | 28 |
| 50.0 | 500 | FE52G78H0506*B | H | G7 | 57.5 | 24.0 | 39.0 | 52.5 | 20.3 | 1.2 | 7 | 350 | 12.5 | 3.5 | 27.4 | 35 | 20 |
| 100.0 | 500 | FE52G88H0107*D | H | G8 | 57.5 | 24.0 | 70.0 | 52.5 | 20.3 | 1.2 | 7 | 700 | 22.0 | 2.0 | 15.5 | 35 | 10 |
| | | | | | Voltage Vndc 700V | | | Voltage Code A | | | | | | | | | |
| 7.0 | 700 | FE37FA8A0705*A | A | FA | 42.0 | 15.0 | 27.0 | 37.5 | 10.2 | 1.2 | 17 | 119 | 5.0 | 11.5 | 52.2 | 30 | 42 |
| 10.0 | 700 | FE37FB8A0106*A | A | FB | 42.0 | 15.0 | 33.0 | 37.5 | 10.2 | 1.2 | 17 | 170 | 6.5 | 8.0 | 44.4 | 30 | 35 |
| 15.0 | 700 | FE52G18A0156*B | A | G1 | 57.5 | 15.0 | 33.0 | 52.5 | 20.3 | 1.2 | 8 | 120 | 6.5 | 10.0 | 35.5 | 35 | 30 |
| 20.0 | 700 | FE52G28A0206*B | A | G2 | 57.5 | 15.0 | 45.0 | 52.5 | 20.3 | 1.2 | 8 | 160 | 8.5 | 7.5 | 27.7 | 35 | 15 |
| 30.0 | 700 | FE52G38A0306*D | A | G3 | 57.5 | 15.0 | 62.0 | 52.5 | 20.3 | 1.2 | 8 | 240 | 12.0 | 5.0 | 20.8 | 35 | 10 |
| 7.0 | 700 | FE37FC8A0705*A | A | FC | 42.0 | 18.0 | 24.0 | 37.5 | 10.2 | 1.2 | 17 | 119 | 5.0 | 11.5 | 52.2 | 30 | 49 |
| 10.0 | 700 | FE37FD8A0106*A | A | FD | 42.0 | 18.0 | 27.0 | 37.5 | 10.2 | 1.2 | 17 | 170 | 6.5 | 8.0 | 44.4 | 30 | 42 |
| 15.0 | 700 | FE37FE8A0156*A | A | FE | 42.0 | 18.0 | 39.0 | 37.5 | 10.2 | 1.2 | 17 | 255 | 9.0 | 5.5 | 33.7 | 30 | 28 |
| 20.0 | 700 | FE52G48A0206*B | A | G4 | 57.5 | 18.0 | 35.0 | 52.5 | 20.3 | 1.2 | 8 | 160 | 8.0 | 7.5 | 31.3 | 35 | 20 |
| 30.0 | 700 | FE52G58A0306*B | A | G5 | 57.5 | 18.0 | 50.0 | 52.5 | 20.3 | 1.2 | 8 | 240 | 11.5 | 5.0 | 22.7 | 35 | 15 |
| 15.0 | 700 | FE37FF8A0156*A | A | FF | 42.0 | 24.0 | 30.0 | 37.5 | 10.2 | 1.2 | 17 | 255 | 9.0 | 5.5 | 33.7 | 30 | 35 |
| 20.0 | 700 | FE37FG8A0206*A | A | FG | 42.0 | 24.0 | 39.0 | 37.5 | 10.2 | 1.2 | 17 | 340 | 11.5 | 4.0 | 28.4 | 30 | 28 |
| 30.0 | 700 | FE52G78A0306*B | A | G7 | 57.5 | 24.0 | 39.0 | 52.5 | 20.3 | 1.2 | 8 | 240 | 11.0 | 5.0 | 24.8 | 35 | 20 |
| 50.0 | 700 | FE52G88A0506*D | A | G8 | 57.5 | 24.0 | 70.0 | 52.5 | 20.3 | 1.2 | 8 | 400 | 18.0 | 3.0 | 15.4 | 35 | 10 |
| | | | | | Voltage Vndc 1000V | | | Voltage Code K | | | | | | | | | |
| 5.0 | 1000 | FE37FA8K0505*A | K | FA | 42.0 | 15.0 | 27.0 | 37.5 | 10.2 | 1.2 | 25 | 125 | 4.5 | 11.5 | 64.4 | 30 | 42 |
| 7.0 | 1000 | FE37FB8K0705*A | K | FB | 42.0 | 15.0 | 33.0 | 37.5 | 10.2 | 1.2 | 25 | 175 | 6.0 | 8.0 | 52.1 | 30 | 35 |
| 10.0 | 1000 | FE52G18K0106*B | K | G1 | 57.5 | 15.0 | 33.0 | 52.5 | 20.3 | 1.2 | 12 | 120 | 6.0 | 10.0 | 41.7 | 35 | 30 |



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DC FILTERING

FE - Low Profile *RoHS Compliant



LOW PROFILE RATING & PART NUMBER REFERENCE

| Cap | Rated Voltage | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt | Peak Current | I _{rms} | ESR 10KHz | R _{th} | ESL | SPQ |
|------|---------------|----------------|--------------|-----------|------------|---------|---------|----------|----------|----------|-------|--------------|------------------|-----------|-----------------|-----|-----|
| | | | | | W ± 0.5 | H ± 0.5 | T ± 0.5 | P1 ± 1.0 | P2 ± 1.0 | d ± 0.05 | | | | | | | |
| µF | V | | | | mm | mm | mm | mm | mm | mm | V/us | A | A | mΩ | °C/W | nH | pcs |
| 15.0 | 1000 | FE52G28K0156*B | K | G2 | 57.5 | 15.0 | 45.0 | 52.5 | 20.3 | 1.2 | 12 | 180 | 8.0 | 6.5 | 36.1 | 35 | 15 |
| 20.0 | 1000 | FE52G38K0206*D | K | G3 | 57.5 | 15.0 | 62.0 | 52.5 | 20.3 | 1.2 | 12 | 240 | 11.0 | 5.0 | 24.8 | 35 | 10 |
| 3.0 | 1000 | FE37FC8K0305*A | K | FC | 42.0 | 18.0 | 24.0 | 37.5 | 10.2 | 1.2 | 25 | 75 | 3.5 | 19.0 | 64.4 | 30 | 49 |
| 5.0 | 1000 | FE37FD8K0505*A | K | FD | 42.0 | 18.0 | 27.0 | 37.5 | 10.2 | 1.2 | 25 | 125 | 5.0 | 11.5 | 52.2 | 30 | 42 |
| 7.0 | 1000 | FE37FE8K0705*A | K | FE | 42.0 | 18.0 | 39.0 | 37.5 | 10.2 | 1.2 | 25 | 175 | 7.0 | 8.0 | 38.3 | 30 | 28 |
| 10.0 | 1000 | FE37FE8K0106*A | K | FE | 42.0 | 18.0 | 39.0 | 37.5 | 10.2 | 1.2 | 25 | 250 | 8.0 | 6.0 | 39.1 | 30 | 28 |
| 15.0 | 1000 | FE52G58K0156*B | K | G5 | 57.5 | 18.0 | 50.0 | 52.5 | 20.3 | 1.2 | 12 | 180 | 9.0 | 6.5 | 28.5 | 35 | 15 |
| 20.0 | 1000 | FE52G58K0206*B | K | G5 | 57.5 | 18.0 | 50.0 | 52.5 | 20.3 | 1.2 | 12 | 240 | 10.0 | 5.0 | 30.0 | 35 | 15 |
| 7.0 | 1000 | FE37FF8K0705*A | K | FF | 42.0 | 24.0 | 30.0 | 37.5 | 10.2 | 1.2 | 25 | 175 | 6.5 | 8.0 | 44.4 | 30 | 35 |
| 10.0 | 1000 | FE37FG8K0106*A | K | FG | 42.0 | 24.0 | 39.0 | 37.5 | 10.2 | 0.5 | 25 | 250 | 9.0 | 6.0 | 30.9 | 30 | 28 |
| 15.0 | 1000 | FE52G78K0156*B | K | G7 | 57.5 | 24.0 | 39.0 | 52.5 | 20.3 | 1.2 | 12 | 180 | 8.5 | 6.5 | 31.9 | 35 | 20 |
| 20.0 | 1000 | FE52G78K0206*B | K | G7 | 57.5 | 24.0 | 39.0 | 52.5 | 20.3 | 1.2 | 12 | 240 | 10.0 | 5.0 | 30.0 | 35 | 20 |
| 30.0 | 1000 | FE52G88K0306*D | K | G8 | 57.5 | 24.0 | 70.0 | 52.5 | 20.3 | 1.2 | 12 | 360 | 15.5 | 4.0 | 15.6 | 35 | 10 |

DC FILTERING

FE - THB *RoHS Compliant



CASE CODE

mm

| Case Code | Dimensions | | | | | |
|-----------|------------|------------|------------|-------------|-------------|-------------|
| | W ± 0.5 | H ± 0.5 | T ± 0.5 | P1 ± 1.0 | P2 ± 1.0 | d ± 0.05 |
| | mm | mm | mm | mm | mm | mm |
| FI | 42.5 | 33.5 | 22.0 | 37.5 | 10.2 | 1.2 |
| FK | 42.5 | 37.0 | 22.0 | 37.5 | 10.2 | 1.2 |
| FL | 42.5 | 37.0 | 28.0 | 37.5 | 10.2 | 1.2 |
| F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 |
| F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 |
| F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 |
| FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 |
| G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 |
| GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 |
| GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 |
| GD | 57.5 | 53.0 | 50.0 | 52.5 | 20.3 | 1.2 |
| GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 |
| GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 |
| GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 |
| GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 |
| GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 |
| GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 |

RATING & PART NUMBER REFERENCE

| Cap | Rated Voltage | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt | Peak Current | I _{rms} | ESR 10KHz | R _{th} | ESL | SPQ |
|-------|---------------|----------------|--------------|-----------|-------------------------------|------------|------------|-------------|-------------|-------------|----------------|--------------|------------------|-----------|-----------------|-----|-----|
| | | | | | W ± 0.5 | H ± 0.5 | T ± 0.5 | P1 ± 1.0 | P2 ± 1.0 | d ± 0.05 | | | | | | | |
| | | | | | mm | mm | mm | mm | mm | mm | | | | | | | |
| | | | | | Voltage V _{ndc} 450V | | | | | | Voltage Code I | | | | | | |
| 25.0 | 450 | FE37FK7I0256*A | I | FK | 42.5 | 37.0 | 22.0 | 37.5 | 10.2 | 1.2 | 35 | 875 | 12.5 | 5.5 | 17.5 | 30 | 49 |
| 30.0 | 450 | FE37F67I0306*A | I | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 1050 | 12.0 | 6.0 | 17.4 | 30 | 56 |
| 40.0 | 450 | FE37FL7I0406*A | I | FL | 42.5 | 37.0 | 28.0 | 37.5 | 10.2 | 1.2 | 35 | 1400 | 14.0 | 5.5 | 13.9 | 30 | 42 |
| 40.0 | 450 | FE37F87I0406*A | I | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 1400 | 15.0 | 5.2 | 12.8 | 30 | 49 |
| 40.0 | 450 | FE52G67I0406*B | I | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 35 | 1400 | 12.0 | 8.0 | 13.0 | 35 | 15 |
| 50.0 | 450 | FE37F97I0506*B | I | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1750 | 15.0 | 4.0 | 16.7 | 30 | 35 |
| 50.0 | 450 | FE52G67I0506*B | I | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 35 | 1750 | 14.0 | 6.5 | 11.8 | 35 | 15 |
| 55.0 | 450 | FE52GA7I0556*B | I | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 35 | 1925 | 15.5 | 5.0 | 12.5 | 35 | 25 |
| 60.0 | 450 | FE52GA7I0606*B | I | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 35 | 2100 | 16.5 | 4.5 | 12.2 | 35 | 25 |
| 60.0 | 450 | FE37F97I0606*B | I | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 2100 | 16.5 | 4.0 | 13.8 | 30 | 35 |
| 80.0 | 450 | FE52GA7I0806*B | I | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 16.0 | 4.0 | 14.6 | 35 | 25 |
| 100.0 | 450 | FE52GC7I0107*B | I | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2000 | 18.0 | 3.8 | 12.2 | 35 | 20 |
| 130.0 | 450 | FE52GF7I0137*B | I | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2600 | 22.0 | 3.5 | 8.9 | 35 | 20 |
| 140.0 | 450 | FE52GH7I0147*B | I | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2800 | 24.0 | 3.4 | 7.7 | 35 | 20 |
| 150.0 | 450 | FE52GK7I0157*B | I | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3000 | 26.0 | 3.2 | 6.9 | 35 | 20 |
| 160.0 | 450 | FE52GL7I0167*B | I | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3200 | 28.0 | 3.1 | 6.2 | 35 | 20 |
| 170.0 | 450 | FE52GL7I0177*B | I | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3400 | 30.0 | 3.0 | 5.6 | 35 | 20 |
| | | | | | Voltage V _{ndc} 550V | | | | | | Voltage Code J | | | | | | |
| 20.0 | 550 | FE37F67J0206*A | J | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 12.5 | 6.5 | 14.8 | 30 | 56 |
| 22.0 | 550 | FE37F67J0226*A | J | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 770 | 13.5 | 6.5 | 12.7 | 30 | 56 |
| 25.0 | 550 | FE37F67J0256*A | J | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 875 | 14.5 | 6.5 | 11.0 | 30 | 56 |
| 30.0 | 550 | FE37F87J0306*A | J | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 1050 | 16.0 | 6.0 | 9.8 | 30 | 49 |
| 35.0 | 550 | FE37F97J0356*B | J | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1225 | 18.0 | 6.0 | 7.7 | 30 | 35 |
| 40.0 | 550 | FE37F97J0406*B | J | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1400 | 18.0 | 5.5 | 8.4 | 30 | 35 |
| 40.0 | 550 | FE52G67J0406*B | J | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 35 | 1400 | 16.0 | 5.8 | 10.1 | 35 | 15 |
| 50.0 | 550 | FE37FN7J0506*B | J | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 35 | 1750 | 20.0 | 5.0 | 7.5 | 30 | 28 |
| 60.0 | 550 | FE37GA7J0606*B | J | GA | 57.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 20 | 1200 | 18.0 | 4.8 | 9.6 | 35 | 25 |
| 75.0 | 550 | FE52GC7J0756*B | J | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1500 | 20.0 | 5.0 | 7.5 | 35 | 20 |
| 100.0 | 550 | FE52GE7J0107*B | J | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 2000 | 24.0 | 4.5 | 5.8 | 35 | 15 |
| 110.0 | 550 | FE52GE7J0117*B | J | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 2200 | 26.0 | 4.0 | 5.5 | 35 | 15 |
| 130.0 | 550 | FE52GF7J0137*B | J | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2600 | 23.0 | 3.4 | 8.3 | 35 | 20 |



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DC FILTERING

FE - THB *RoHS Compliant



RATING & PART NUMBER REFERENCE

| Cap | Rated Voltage | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt | Peak Current | I _{rms} | ESR 10KHz | R _{th} | ESL | SPQ |
|-------|---------------|----------------|--------------|-----------|-------------------------------|-------|-------|----------------|-------|--------|-------|--------------|------------------|-----------|-----------------|-----|-----|
| | | | | | W | H | T | P1 | P2 | d | | | | | | | |
| | | | | | ± 0.5 | ± 0.5 | ± 0.5 | ± 1.0 | ± 1.0 | ± 0.05 | | | | | | | |
| µF | V | | | | mm | mm | mm | mm | mm | mm | V/us | A | A | mΩ | °C/W | nH | pcs |
| 140.0 | 550 | FE52GH7J0147*B | J | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2800 | 25.0 | 3.3 | 7.3 | 35 | 20 |
| 150.0 | 550 | FE52GK7J0157*B | J | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3000 | 27.0 | 3.1 | 6.6 | 35 | 20 |
| 160.0 | 550 | FE52GL7J0167*B | J | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3200 | 29.0 | 3.0 | 5.9 | 35 | 20 |
| 170.0 | 550 | FE52GL7J0177*B | J | GL | 57.5 | 80x.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3400 | 32.0 | 2.8 | 5.2 | 35 | 20 |
| | | | | | Voltage V _{ndc} 600V | | | Voltage Code Q | | | | | | | | | |
| 20.0 | 600 | FE37F67Q0206*A | Q | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 11.0 | 6.0 | 20.7 | 30 | 56 |
| 30.0 | 600 | FE37FL7Q0306*A | Q | FL | 42.5 | 37.0 | 28.0 | 37.5 | 10.2 | 1.2 | 35 | 1050 | 13.0 | 5.5 | 16.1 | 30 | 42 |
| 35.0 | 600 | FE37F87Q0356*A | Q | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 1225 | 16.5 | 5.0 | 11.0 | 30 | 49 |
| 35.0 | 600 | FE52G67Q0356*B | Q | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 20 | 700 | 13.5 | 5.5 | 15.0 | 35 | 15 |
| 40.0 | 600 | FE37F97Q0406*B | Q | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1400 | 18.0 | 4.0 | 11.6 | 30 | 35 |
| 50.0 | 600 | FE52GC7Q0506*B | Q | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1000 | 14.0 | 6.5 | 11.8 | 35 | 20 |
| 60.0 | 600 | FE52GC7Q0606*B | Q | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1200 | 16.0 | 5.0 | 11.7 | 35 | 20 |
| 70.0 | 600 | FE52GC7Q0706*B | Q | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 18.0 | 5.0 | 9.3 | 35 | 20 |
| 80.0 | 600 | FE52GE7Q0806*B | Q | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 20.0 | 4.0 | 9.4 | 35 | 15 |
| 90.0 | 600 | FE52GE7Q0906*B | Q | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1800 | 24.0 | 4.0 | 6.5 | 35 | 15 |
| 100.0 | 600 | FE52GD7Q107*B | Q | GD | 57.5 | 53.0 | 50.0 | 52.5 | 20.3 | 1.2 | 20 | 2000 | 26.0 | 4.0 | 5.5 | 35 | 15 |
| 110.0 | 600 | FE52GD7Q0117*B | Q | GD | 57.5 | 53.0 | 50.0 | 52.5 | 20.3 | 1.2 | 20 | 2200 | 28.0 | 3.5 | 5.5 | 35 | 15 |
| 120.0 | 600 | FE52GF7Q0127*B | Q | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2400 | 30.0 | 3.4 | 4.9 | 35 | 20 |
| 130.0 | 600 | FE52GH7Q0137*B | Q | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2600 | 32.0 | 3.3 | 4.4 | 35 | 20 |
| 140.0 | 600 | FE52GK7Q0147*B | Q | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2800 | 34.0 | 3.2 | 4.1 | 35 | 20 |
| 140.0 | 600 | FE52GI7Q0147*B | Q | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 2800 | 34.0 | 3.2 | 4.1 | 35 | 15 |
| 150.0 | 600 | FE52GL7Q0157*B | Q | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 3000 | 36.0 | 3.0 | 3.9 | 35 | 20 |
| | | | | | Voltage V _{ndc} 700V | | | Voltage Code A | | | | | | | | | |
| 15.0 | 700 | FE37FI7A0156*A | A | FI | 42.5 | 33.5 | 22.0 | 37.5 | 10.2 | 1.2 | 35 | 525 | 10.0 | 8.0 | 18.8 | 30 | 49 |
| 15.0 | 700 | FE37F67A0156*A | A | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 525 | 10.0 | 8.0 | 18.8 | 30 | 56 |
| 20.0 | 700 | FE37FL7A0206*A | A | FL | 42.5 | 37.0 | 28.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 12.0 | 7.5 | 13.9 | 30 | 42 |
| 22.0 | 700 | FE37F87A0226*A | A | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 770 | 14.0 | 6.5 | 11.8 | 30 | 49 |
| 25.0 | 700 | FE37F87A0256*A | A | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 875 | 16.0 | 6.0 | 9.8 | 30 | 49 |
| 30.0 | 700 | FE37F97A0306*B | A | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1050 | 16.0 | 5.8 | 10.1 | 30 | 35 |
| 30.0 | 700 | FE52G67A0306*B | A | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 20 | 600 | 12.0 | 8.5 | 12.3 | 35 | 15 |
| 35.0 | 700 | FE37FN7A0356*B | A | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 35 | 1225 | 20.0 | 5.5 | 6.8 | 30 | 28 |
| 40.0 | 700 | FE52GA7A0406*B | A | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 800 | 14.0 | 5.0 | 15.3 | 35 | 25 |
| 45.0 | 700 | FE52GA7A0456*B | A | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 900 | 15.5 | 5.0 | 12.5 | 35 | 25 |
| 50.0 | 700 | FE52GC7A0506*B | A | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1000 | 15.0 | 4.8 | 13.9 | 35 | 20 |
| 55.0 | 700 | FE52GC7A0556*B | A | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1100 | 16.0 | 4.5 | 13.0 | 35 | 20 |
| 60.0 | 700 | FE52GC7A0606*B | A | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1200 | 18.0 | 4.0 | 11.6 | 35 | 20 |
| 65.0 | 700 | FE52GE7A0656*B | A | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1300 | 20.0 | 4.0 | 9.4 | 35 | 15 |
| 70.0 | 700 | FE52GE7A0706*B | A | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 20.0 | 3.8 | 9.9 | 35 | 15 |
| 75.0 | 700 | FE52GE7A0756*B | A | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1500 | 20.0 | 3.8 | 9.9 | 35 | 15 |
| 80.0 | 700 | FE52GE7A0806*B | A | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 22.0 | 3.5 | 8.9 | 35 | 15 |
| 80.0 | 700 | FE52GF7A0806*B | A | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 23.0 | 3.4 | 8.3 | 35 | 20 |
| 90.0 | 700 | FE52GE7A0906*B | A | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20.0 | 1800 | 24.0 | 3.5 | 7.4 | 35 | 15 |
| 90.0 | 700 | FE52GF7A0906*B | A | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1800 | 24.0 | 3.5 | 7.4 | 35 | 20 |
| 100.0 | 700 | FE52GH7A0107*B | A | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2000 | 26.0 | 3.5 | 6.3 | 35 | 20 |
| 110.0 | 700 | FE52GK7A0117*B | A | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2200 | 28.0 | 3.4 | 5.6 | 35 | 20 |
| 120.0 | 700 | FE52GL7A0127*B | A | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 2400 | 30.0 | 3.0 | 5.6 | 35 | 20 |
| 130.0 | 700 | FE52GI7A0137*B | A | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 2600 | 32.0 | 2.8 | 5.2 | 35 | 15 |
| | | | | | Voltage V _{ndc} 800V | | | Voltage Code B | | | | | | | | | |
| 15.0 | 800 | FE37F67B0156*A | B | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 525 | 10.0 | 8.0 | 18.8 | 30 | 56 |
| 20.0 | 800 | FE37FL7B0206*A | B | FL | 42.5 | 37.0 | 28.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 12.0 | 7.0 | 14.9 | 30 | 42 |
| 20.0 | 800 | FE37F87B0206*A | B | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 700 | 13.5 | 6.5 | 12.7 | 30 | 49 |
| 22.0 | 800 | FE37F87B0226*A | B | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 770 | 14.0 | 6.0 | 12.8 | 30 | 49 |
| 25.0 | 800 | FE37F97B0256*B | B | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 875 | 14.0 | 5.5 | 13.9 | 30 | 35 |
| 30.0 | 800 | FE37F97B0306*B | B | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 1050 | 16.0 | 4.5 | 13.0 | 30 | 35 |
| 35.0 | 800 | FE52GA7B0356*B | B | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 700 | 14.2 | 6.5 | 11.4 | 35 | 25 |
| 40.0 | 800 | FE52GA7B0406*B | B | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 800 | 14.0 | 6.0 | 12.8 | 35 | 25 |
| 45.0 | 800 | FE52GA7B0456*B | B | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 900 | 15.5 | 5.5 | 11.4 | 35 | 25 |

DC FILTERING

FE - THB *RoHS Compliant



RATING & PART NUMBER REFERENCE

| Cap | Rated Voltage | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt | Peak Current | Irms | ESR 10KHz | Rth | ESL | SPQ |
|---------------------------|---------------|----------------|--------------|-----------|------------|---------|---------|----------|----------|----------|-------|--------------|------|-----------|------|-----|-----|
| | | | | | W ± 0.5 | H ± 0.5 | T ± 0.5 | P1 ± 1.0 | P2 ± 1.0 | d ± 0.05 | | | | | | | |
| | | | | | mm | mm | mm | mm | mm | mm | | | | | | | |
| 47.0 | 800 | FE52GC7B0476*B | B | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 940 | 17.5 | 5.0 | 9.8 | 35 | 20 |
| 50.0 | 800 | FE52GC7B0506*B | B | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1000 | 16.0 | 5.0 | 11.7 | 35 | 20 |
| 55.0 | 800 | FE52GC7B0556*B | B | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1100 | 17.0 | 4.6 | 11.3 | 35 | 20 |
| 65.0 | 800 | FE52GF7B0656*B | B | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1300 | 19.0 | 4.0 | 10.4 | 35 | 20 |
| 65.0 | 800 | FE52GE7B0656*B | B | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1300 | 20.0 | 4.0 | 9.4 | 35 | 15 |
| 70.0 | 800 | FE52GE7B0706*B | B | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 20.0 | 3.8 | 9.9 | 35 | 15 |
| 70.0 | 800 | FE52GF7B0706*B | B | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 20.0 | 3.8 | 9.9 | 35 | 20 |
| 75.0 | 800 | FE52GE7B0756*B | B | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1500 | 22.0 | 3.8 | 8.2 | 35 | 15 |
| 75.0 | 800 | FE52GH7B0756*B | B | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1500 | 22.0 | 3.8 | 8.2 | 35 | 20 |
| 80.0 | 800 | FE52GI7B0806*B | B | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 23.0 | 3.5 | 8.1 | 35 | 15 |
| 80.0 | 800 | FE52GK7B0806*B | B | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 23.0 | 3.5 | 8.1 | 35 | 20 |
| 90.0 | 800 | FE52GI7B0906*B | B | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1800 | 25.0 | 3.3 | 7.3 | 35 | 15 |
| 90.0 | 800 | FE52GL7B0906*B | B | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1800 | 25.0 | 3.3 | 7.3 | 35 | 20 |
| 100.0 | 800 | FE52GI7B0107*B | B | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 2000 | 28.0 | 3.2 | 6.0 | 35 | 15 |
| Voltage Vndc 900V | | | | | | | | | | | | | | | | | |
| 10.0 | 900 | FE37F67C0106*A | C | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 35 | 350 | 9.5 | 11.5 | 14.5 | 30 | 56 |
| 15.0 | 900 | FE37F87C0156*A | C | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 525 | 12.0 | 7.5 | 13.9 | 30 | 49 |
| 18.0 | 900 | FE37F87C0186*A | C | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 35 | 630 | 12.0 | 7.5 | 13.9 | 30 | 49 |
| 20.0 | 900 | FE37F97C0206*B | C | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 700 | 15.0 | 5.5 | 12.1 | 30 | 35 |
| 20.0 | 900 | FE52G67C0206*B | C | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 20 | 400 | 12.0 | 8.6 | 12.1 | 35 | 15 |
| 25.0 | 900 | FE37F97C0256*B | C | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 35 | 875 | 17.0 | 5.5 | 9.4 | 30 | 35 |
| 30.0 | 900 | FE37FN7C0306*B | C | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 35 | 1050 | 19.0 | 5.0 | 8.3 | 30 | 28 |
| 30.0 | 900 | FE52GA7C0306*B | C | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 20 | 600 | 15.0 | 5.5 | 12.1 | 35 | 25 |
| 35.0 | 900 | FE52GC7C0356*B | C | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 700 | 15.5 | 5.5 | 11.4 | 35 | 20 |
| 40.0 | 900 | FE52GC7C0406*B | C | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 800 | 16.0 | 6.5 | 9.0 | 35 | 20 |
| 50.0 | 900 | FE52GC7C0506*B | C | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1000 | 18.0 | 3.6 | 12.9 | 35 | 20 |
| 55.0 | 900 | FE52GF7C0556*B | C | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1100 | 19.0 | 3.5 | 11.9 | 35 | 20 |
| 55.0 | 900 | FE52GE7C0556*B | C | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1100 | 20.0 | 3.4 | 11.0 | 35 | 15 |
| 60.0 | 900 | FE52GE7C0606*B | C | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1200 | 20.0 | 3.4 | 11.0 | 35 | 15 |
| 65.0 | 900 | FE52GK7C0656*B | C | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1300 | 22.0 | 3.3 | 9.4 | 35 | 20 |
| 70.0 | 900 | FE52GE7C0706*B | C | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 24.0 | 3.2 | 8.1 | 35 | 15 |
| 70.0 | 900 | FE52GL7C0706*B | C | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 20 | 1400 | 24.0 | 3.2 | 8.1 | 35 | 20 |
| 80.0 | 900 | FE52GI7C0806*B | C | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 20 | 1600 | 25.0 | 3.2 | 7.5 | 35 | 15 |
| Voltage Vndc 1000V | | | | | | | | | | | | | | | | | |
| 10.0 | 1000 | FE37F67K0106*A | K | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 40 | 400 | 9.5 | 11.5 | 14.5 | 30 | 56 |
| 12.0 | 1000 | FE37F87K0126*A | K | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 40 | 480 | 10.5 | 9.0 | 15.1 | 30 | 49 |
| 15.0 | 1000 | FE37F87K0156*A | K | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 40 | 600 | 12.0 | 7.5 | 13.9 | 30 | 49 |
| 15.0 | 1000 | FE37F97K0156*B | K | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 40 | 600 | 14.0 | 7.5 | 10.2 | 30 | 35 |
| 15.0 | 1000 | FE52G67K0156*B | K | G6 | 57.5 | 22.0 | 43.0 | 52.5 | 20.3 | 1.2 | 40 | 600 | 12.0 | 8.5 | 12.3 | 35 | 15 |
| 20.0 | 1000 | FE37F97K0206*B | K | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 40 | 800 | 15.0 | 6.5 | 10.3 | 30 | 35 |
| 25.0 | 1000 | FE37FN7K0256*B | K | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 40 | 1000 | 18.0 | 5.5 | 8.4 | 30 | 28 |
| 30.0 | 1000 | FE52GA7K0306*B | K | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 25 | 750 | 15.0 | 5.5 | 12.1 | 35 | 25 |
| 35.0 | 1000 | FE52GC7K0356*B | K | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 875 | 16.0 | 5.5 | 10.7 | 35 | 20 |
| 40.0 | 1000 | FE52GC7K0406*B | K | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1000 | 16.0 | 5.0 | 11.7 | 35 | 20 |
| 40.0 | 1000 | FE52GE7K0406*B | K | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 25 | 1000 | 17.0 | 5.0 | 10.4 | 35 | 15 |
| 50.0 | 1000 | FE52GE7K0506*B | K | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 25 | 1250 | 19.0 | 4.5 | 9.2 | 35 | 15 |
| 50.0 | 1000 | FE52GH7K0506*B | K | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1250 | 19.0 | 4.5 | 9.2 | 35 | 20 |
| 55.0 | 1000 | FE52GK7K0556*B | K | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1375 | 20.0 | 4.4 | 8.5 | 35 | 20 |
| 60 | 1000 | FE52GL7K0606*B | K | GL | 57.5 | 80.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1500 | 22.0 | 4.0 | 7.7 | 35 | 20 |
| 60 | 1000 | FE52GI7K0606*B | K | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 25 | 1500 | 22.0 | 4.0 | 7.7 | 35 | 15 |
| Voltage Vndc 1100V | | | | | | | | | | | | | | | | | |
| 6.8 | 1100 | FE37FI7L0685*A | L | FI | 42.5 | 33.5 | 22.0 | 37.5 | 10.2 | 1.2 | 40 | 272 | 12.0 | 13.5 | 7.7 | 30 | 49 |
| 8.0 | 1100 | FE37F67L0805*A | L | F6 | 42.5 | 40.0 | 20.0 | 37.5 | 10.2 | 1.2 | 40 | 320 | 12.5 | 12.5 | 7.7 | 30 | 56 |
| 8.0 | 1100 | FE37FK7L0805*A | L | FK | 42.5 | 37.0 | 22.0 | 37.5 | 10.2 | 1.2 | 40 | 320 | 12.5 | 12.5 | 7.7 | 30 | 49 |
| 9.0 | 1100 | FE37FK7L0905*A | L | FK | 42.5 | 37.0 | 22.0 | 37.5 | 10.2 | 1.2 | 40 | 360 | 12.8 | 12.2 | 7.5 | 30 | 49 |
| 10.0 | 1100 | FE37F87L0106*A | L | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 40 | 400 | 15.0 | 8.5 | 7.8 | 30 | 49 |
| 12.0 | 1100 | FE37F97L0126*B | L | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 40 | 480 | 15.5 | 7.5 | 8.3 | 30 | 35 |



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DC FILTERING

FE - THB *RoHS Compliant



RATING & PART NUMBER REFERENCE

| Cap | Rated Voltage | AVX PN | Voltage Code | Case Code | Dimensions | | | | | | dv/dt | Peak Current | I _{rms} | ESR 10KHz | R _{th} | ESL | SPQ | |
|------|---------------|----------------|--------------|-----------|--------------------|-------|-------|-------|----------------|--------|-------|--------------|------------------|-----------|-----------------|-----|-----|--|
| | | | | | W | H | T | P1 | P2 | d | | | | | | | | |
| | | | | | ± 0.5 | ± 0.5 | ± 0.5 | ± 1.0 | ± 1.0 | ± 0.05 | | | | | | | | |
| uF | V | | | | | | | | | | | | | | | | | |
| | | | | | mm | mm | mm | mm | mm | mm | V/us | A | A | mΩ | °C/W | nH | pcs | |
| 15.0 | 1100 | FE37F97L0156*B | L | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 40 | 600 | 16.0 | 7.0 | 8.4 | 30 | 35 | |
| 18.0 | 1100 | FE37FN7L0186*B | L | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 40 | 720 | 15.5 | 7.5 | 8.3 | 30 | 28 | |
| 20.0 | 1100 | FE37FN7L0206*B | L | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 40 | 800 | 16.5 | 7.2 | 7.7 | 30 | 28 | |
| 20.0 | 1100 | FE52GA7L0206*B | L | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 25 | 500 | 12.0 | 8.5 | 12.3 | 35 | 25 | |
| 25.0 | 1100 | FE52GC7L0256*B | L | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 625 | 13.0 | 8.2 | 10.8 | 35 | 20 | |
| 30.0 | 1100 | FE52GC7L0306*B | L | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 750 | 15.0 | 5.0 | 13.3 | 35 | 20 | |
| 35.0 | 1100 | FE52GF7L0356*B | L | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 875 | 16.0 | 4.9 | 12.0 | 35 | 20 | |
| 40.0 | 1100 | FE52GH7L0406*B | L | GH | 57.5 | 65.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1000 | 17.0 | 5.5 | 9.4 | 35 | 20 | |
| 40.0 | 1100 | FE52GE7L0406*B | L | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 25 | 1000 | 17.0 | 5.5 | 9.4 | 35 | 15 | |
| 45.0 | 1100 | FE52GK7L0456*B | L | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 25 | 1125 | 18.0 | 5.4 | 8.6 | 35 | 20 | |
| 50.0 | 1100 | FE52GI7L0506*B | L | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 25 | 1250 | 19.5 | 5.2 | 7.6 | 35 | 15 | |
| | | | | | Voltage Vndc 1200V | | | | Voltage Code P | | | | | | | | | |
| 7.0 | 1200 | FE37FK7P0705*A | P | FK | 42.5 | 37.0 | 22.0 | 37.5 | 10.2 | 1.2 | 45 | 315 | 8.0 | 15.2 | 15.4 | 30 | 49 | |
| 8.0 | 1200 | FE37F87P0805*A | P | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 45 | 360 | 9.0 | 12.5 | 14.8 | 30 | 49 | |
| 10.0 | 1200 | FE37F87P0106*A | P | F8 | 42.5 | 44.0 | 24.0 | 37.5 | 10.2 | 1.2 | 45 | 450 | 10.0 | 10.5 | 14.3 | 30 | 49 | |
| 10.0 | 1200 | FE37F97P0106*B | P | F9 | 42.5 | 45.0 | 30.0 | 37.5 | 20.3 | 1.2 | 45 | 450 | 12.0 | 8.0 | 13.0 | 30 | 35 | |
| 15.0 | 1200 | FE37FN7P0156*B | P | FN | 42.5 | 50.0 | 35.0 | 37.5 | 20.3 | 1.2 | 45 | 675 | 15.0 | 6.5 | 10.3 | 30 | 28 | |
| 20.0 | 1200 | FE52GA7P0206*B | P | GA | 57.5 | 45.0 | 30.0 | 52.5 | 20.3 | 1.2 | 30 | 600 | 13.0 | 8.5 | 10.4 | 35 | 25 | |
| 25.0 | 1200 | FE52GC7P0256*B | P | GC | 57.5 | 50.0 | 35.0 | 52.5 | 20.3 | 1.2 | 30 | 750 | 15.0 | 6.5 | 10.3 | 35 | 20 | |
| 30.0 | 1200 | FE52GE7P0306*B | P | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 30 | 900 | 17.0 | 5.5 | 9.4 | 35 | 15 | |
| 30.0 | 1200 | FE52GF7P0306*B | P | GF | 57.5 | 60.0 | 35.0 | 52.5 | 20.3 | 1.2 | 30 | 900 | 17.0 | 5.5 | 9.4 | 35 | 20 | |
| 35.0 | 1200 | FE52GE7P0356*B | P | GE | 57.5 | 55.0 | 45.0 | 52.5 | 20.3 | 1.2 | 30 | 1050 | 18.0 | 5.0 | 9.3 | 35 | 15 | |
| 35.0 | 1200 | FE52GK7P0356*B | P | GK | 57.5 | 70.0 | 35.0 | 52.5 | 20.3 | 1.2 | 30 | 1050 | 18.0 | 5.0 | 9.3 | 35 | 20 | |
| 40.0 | 1200 | FE52GI7P0406*B | P | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 30 | 1200 | 20.0 | 4.5 | 8.3 | 35 | 15 | |
| 45.0 | 1200 | FE52GI7P0456*B | P | GI | 57.5 | 65.0 | 45.0 | 52.5 | 20.3 | 1.2 | 30 | 1350 | 22.0 | 4.3 | 7.2 | 35 | 15 | |