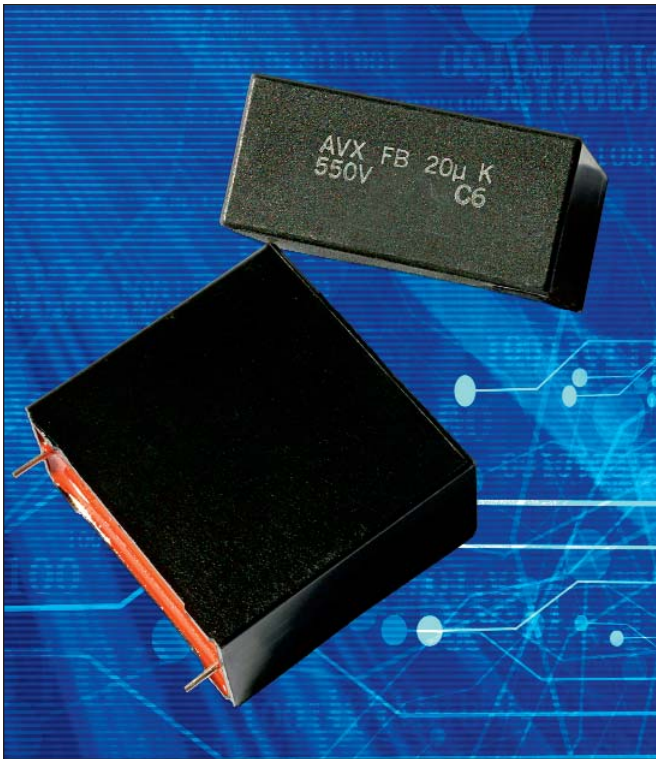


Medium Power Film Capacitors



FB (RoHS Compliant)



The FB series uses a non-impregnated metallized polypropylene dielectric specially treated to have a very high dielectric strength in operating conditions up to 100°C.

The FB has been designed for printed circuit board mounting. FB 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).

APPLICATIONS

The FB capacitor is particularly designed for DC filtering, low reactive power.

HOT SPOT CALCULATION

See *Hot Spot Temperature*, page 3.

$$\theta_{\text{hot spot}} = \theta_{\text{ambient}} + (P_d + P_t) \times R_{\text{th}}$$

with P_d (Dielectric losses) = $Q \times \text{tg}\delta_0$
 $Q \times \text{tg}\delta_0 \Rightarrow [\frac{1}{2} \times C_n \times (V_{\text{peak to peak}})^2 \times f] \times \text{tg}\delta_0$
 $\text{tg}\delta_0$ (tan delta)

For polypropylene, $\text{tg}\delta_0 = 2 \times 10^{-4}$ for frequencies up to 1MHz and is independent of temperatures.

$$P_t \text{ (Thermal losses)} = R_s \times (I_{\text{rms}})^2$$

where C_n in Farad I_{rms} in Ampere f in Hertz
 V in Volt R_s in Ohm θ in °C
 R_{th} in °C/W

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).

STANDARDS

- IEC 61071-1, 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 Assessment level E

OPERATING TEMPERATURE RANGE

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

LIFETIME 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% of initial value, with no risk of a short circuit.

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

Medium Power Film Capacitors



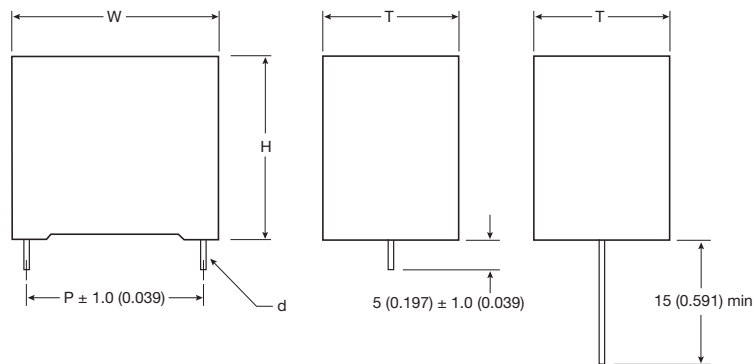
FB (RoHS Compliant)

HOW TO ORDER

| | | | | | | | |
|---------------|---|---|-------------------|---|-------------|---------------------------------|------------------------------------|
| FB | 27 | A | 6 | K | 0335 | K | C |
| Series | Pitch | Case | Dielectric | Voltage | Cap | Tolerance | Lead Length |
| FB | 27 = 27.5 (1.083) 37 = 37.5 (1.476) 52 = 52.5 (2.067) | A H B J C K D L E M F N G P | 6 = Polypropylene | J = 550V A = 700V B = 800V C = 900V K = 1000V L = 1100V P = 1200V | μF Code | J = ±5% K = ±10% M = ±20% | C = 5.00 (0.197) L = 15 (0.591) |



DIMENSIONS: millimeters (inches)



millimeters (inches)

| Case Size | W | H | T | P | d |
|-----------|--------------|--------------|--------------|--------------|--------------|
| A | 32.0 (1.260) | 20.0 (0.787) | 11.0 (0.433) | 27.5 (1.083) | 0.80 (0.031) |
| B | 32.0 (1.260) | 22.0 (0.866) | 13.0 (0.512) | 27.5 (1.083) | 1.00 (0.039) |
| C | 32.0 (1.260) | 24.5 (0.965) | 15.0 (0.591) | 27.5 (1.083) | 1.00 (0.039) |
| D | 32.0 (1.260) | 25.0 (0.984) | 16.0 (0.630) | 27.5 (1.083) | 1.20 (0.047) |
| E | 32.0 (1.260) | 28.0 (1.102) | 14.0 (0.551) | 27.5 (1.083) | 1.20 (0.047) |
| F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 1.20 (0.047) |
| G | 32.0 (1.260) | 37.0 (1.457) | 22.0 (0.866) | 27.5 (1.083) | 1.20 (0.047) |
| H | 42.5 (1.673) | 33.5 (1.319) | 22.0 (0.866) | 37.5 (1.476) | 1.20 (0.047) |
| J | 42.5 (1.673) | 37.0 (1.457) | 28.0 (1.102) | 37.5 (1.476) | 1.20 (0.047) |
| K | 42.5 (1.673) | 40.0 (1.575) | 20.0 (0.787) | 37.5 (1.476) | 1.20 (0.047) |
| L | 42.5 (1.673) | 44.0 (1.732) | 24.0 (0.945) | 37.5 (1.476) | 1.20 (0.047) |
| M | 42.5 (1.673) | 45.0 (1.771) | 30.0 (1.181) | 37.5 (1.476) | 1.20 (0.047) |
| N | 57.5 (2.264) | 45.0 (1.771) | 30.0 (1.181) | 52.5 (2.067) | 1.20 (0.047) |
| P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) |

POLYPROPYLENE DIELECTRIC FOR INDUSTRIAL DC FILTERING

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

ELECTRICAL CHARACTERISTICS – POLYPROPYLENE DIELECTRIC

| | |
|---------------------------------------|--|
| Climatic category | 40/100/56 (IEC 60068) |
| Test voltage between terminals @ 25°C | 1.5 x V _n dc |
| Capacitance range C _n | 0.68μF to 75μF |
| Tolerance on C _n | ±5%, ±10%, ±20% |
| Rated DC voltage V _n dc | 550 to 1200 V |
| Dielectric | Polypropylene |
| Insulation Resistance: | >3,000 MΩ.μF/C after 1 minute electrification @ 100 Vdc & 25°C |
| Lifetime (ΔC/C ≤ 5%): | 100,000hrs @ Ur & 70°C |



Medium Power Film Capacitors



FB (RoHS Compliant)

RATINGS AND PART NUMBER REFERENCE – POLYPROPYLENE DIELECTRIC

| Cap (µF) | Rated Voltage (V) | Part Number | Case Size | W ±0.50 (0.020) | H ±0.50 (0.020) | T ±0.50 (0.020) | P ±1.00 (0.039) | d ±0.05 (0.002) | dv/dt Volt/sec | I peak Amps | I rms Amps | ESR mOhms | Packaging Qty. |
|--|----------------------|---------------|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|----------------|---------------|--------------|-------------------|
| Voltage V_{dc} 550V Voltage Code: J | | | | | | | | | | | | | |
| 3.3 | 550 | FB27A6J0335*# | A | 32.0 (1.260) | 22.0 (0.866) | 13.0 (0.512) | 27.5 (1.083) | 0.80 (0.031) | 27.0 | 89.1 | 5.0 | 22.0 | 150 |
| 5.0 | 550 | FB27B6J0505*# | B | 32.0 (1.260) | 22.0 (0.866) | 13.0 (0.512) | 27.5 (1.083) | 0.80 (0.031) | 27.0 | 135.0 | 6.0 | 16.5 | 130 |
| 6.8 | 550 | FB27C6J0685*# | C | 32.0 (1.260) | 24.5 (0.965) | 15.0 (0.591) | 27.5 (1.083) | 0.80 (0.031) | 27.0 | 183.6 | 7.0 | 11.0 | 110 |
| 7.5 | 550 | FB27E6J0755*# | E | 32.0 (1.260) | 28.0 (1.102) | 14.0 (0.551) | 27.5 (1.083) | 0.80 (0.031) | 27.0 | 202.5 | 8.0 | 10.0 | 110 |
| 10 | 550 | FB27F6J0106*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 27.0 | 270.0 | 10.0 | 8.0 | 95 |
| 12 | 550 | FB27F6J0126*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 27.0 | 324.0 | 11.0 | 7.0 | 95 |
| 15 | 550 | FB27G6J0156*# | G | 32.0 (1.260) | 37.0 (1.457) | 22.0 (0.866) | 27.5 (1.083) | 0.80 (0.031) | 27.0 | 405.0 | 12.0 | 6.0 | 80 |
| 20 | 550 | FB37K6J0206*# | K | 42.5 (1.673) | 40.0 (1.575) | 20.0 (0.787) | 37.5 (1.476) | 1.00 (0.039) | 19.0 | 380.0 | 11.5 | 7.0 | 56 |
| 25 | 550 | FB37J6J0256*# | J | 42.5 (1.673) | 37.0 (1.457) | 28.0 (1.102) | 37.5 (1.476) | 1.00 (0.039) | 19.0 | 475.0 | 12.0 | 6.5 | 35 |
| 30 | 550 | FB37J6J0306*# | J | 42.5 (1.673) | 37.0 (1.457) | 28.0 (1.102) | 37.5 (1.476) | 1.00 (0.039) | 19.0 | 570.0 | 13.5 | 6.0 | 35 |
| 35 | 550 | FB37M6J0356*# | M | 42.5 (1.673) | 45.0 (1.772) | 30.0 (1.181) | 37.5 (1.476) | 1.20 (0.047) | 19.0 | 665.0 | 15.0 | 5.5 | 44 |
| 40 | 550 | FB37M6J0406*# | M | 42.5 (1.673) | 45.0 (1.772) | 30.0 (1.181) | 37.5 (1.476) | 1.20 (0.047) | 19.0 | 760.0 | 15.0 | 5.5 | 44 |
| 50 | 550 | FB52N6J0506*# | N | 57.5 (2.264) | 45.0 (1.772) | 30.0 (1.181) | 52.5 (2.067) | 1.20 (0.047) | 12.5 | 625.0 | 14.0 | 6.5 | 25 |
| 60 | 550 | FB52N6J0606*# | N | 57.5 (2.264) | 45.0 (1.772) | 30.0 (1.181) | 52.5 (2.067) | 1.20 (0.047) | 12.5 | 750.0 | 15.0 | 6.0 | 25 |
| 75 | 550 | FB52P6J0756*# | P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) | 12.5 | 937.5 | 16.0 | 5.5 | 20 |
| Voltage V_{dc} 700V Voltage Code: A | | | | | | | | | | | | | |
| 2.5 | 700 | FB27A6A0255*# | A | 32.0 (1.260) | 20.0 (0.787) | 11.0 (0.433) | 27.5 (1.083) | 0.80 (0.031) | 31.0 | 77.5 | 3.5 | 28.0 | 150 |
| 3.3 | 700 | FB27B6A0335*# | B | 32.0 (1.260) | 22.0 (0.866) | 13.0 (0.512) | 27.5 (1.083) | 0.80 (0.031) | 31.0 | 102.3 | 4.5 | 22.0 | 130 |
| 4.7 | 700 | FB27C6A0475*# | C | 32.0 (1.260) | 24.5 (0.965) | 15.0 (0.591) | 27.5 (1.083) | 0.80 (0.031) | 31.0 | 145.7 | 5.5 | 15.0 | 110 |
| 10 | 700 | FB27F6A0106*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 31.0 | 310.0 | 10.0 | 7.0 | 95 |
| 12 | 700 | FB27G6A0126*# | G | 32.0 (1.260) | 37.0 (1.457) | 22.0 (0.866) | 27.5 (1.083) | 0.80 (0.031) | 31.0 | 372.0 | 11.5 | 6.0 | 80 |
| 15 | 700 | FB37H6A0156*# | H | 42.5 (1.673) | 33.5 (1.319) | 22.0 (0.866) | 37.5 (1.476) | 1.00 (0.039) | 21.0 | 315.0 | 9.0 | 9.0 | 49 |
| 20 | 700 | FB37J6A0206*# | J | 42.5 (1.673) | 37.0 (1.457) | 28.0 (1.102) | 37.5 (1.476) | 1.00 (0.039) | 21.0 | 420.0 | 11.0 | 7.0 | 35 |
| 22 | 700 | FB37L6A0226*# | L | 42.5 (1.673) | 44.0 (1.732) | 24.0 (0.984) | 37.5 (1.476) | 1.00 (0.039) | 21.0 | 462.0 | 13.0 | 6.0 | 42 |
| 25 | 700 | FB37L6A0256*# | L | 42.5 (1.673) | 44.0 (1.732) | 24.0 (0.984) | 37.5 (1.476) | 1.00 (0.039) | 21.0 | 525.0 | 13.5 | 5.5 | 42 |
| 30 | 700 | FB37M6A0306*# | M | 42.5 (1.673) | 45.0 (1.772) | 30.0 (1.181) | 37.5 (1.476) | 1.20 (0.047) | 21.0 | 630.0 | 16.0 | 4.5 | 44 |
| 40 | 700 | FB52N6A0406*# | N | 57.5 (2.264) | 45.0 (1.772) | 30.0 (1.181) | 52.5 (2.067) | 1.20 (0.047) | 14.5 | 580.0 | 13.0 | 6.5 | 25 |
| 45 | 700 | FB52N6A0456*# | N | 57.5 (2.264) | 45.0 (1.772) | 30.0 (1.181) | 52.5 (2.067) | 1.20 (0.047) | 14.5 | 652.5 | 14.5 | 6.0 | 25 |
| 50 | 700 | FB52P6A0506*# | P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) | 14.5 | 725.0 | 15.0 | 5.5 | 20 |
| 55 | 700 | FB52P6A0556*# | P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) | 14.5 | 797.5 | 17.0 | 5.0 | 20 |
| 60 | 700 | FB52P6A0606*# | P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) | 14.5 | 870.0 | 18.0 | 4.5 | 20 |
| Voltage V_{dc} 800V Voltage Code: B | | | | | | | | | | | | | |
| 2.2 | 800 | FB27A6B0225*# | A | 32.0 (1.260) | 20.0 (0.787) | 11.0 (0.433) | 27.5 (1.083) | 0.80 (0.031) | 36.0 | 79.2 | 4.0 | 30.0 | 150 |
| 3.0 | 800 | FB27C6B0305*# | C | 32.0 (1.260) | 24.5 (0.965) | 15.0 (0.591) | 27.5 (1.083) | 0.80 (0.031) | 36.0 | 108.0 | 4.5 | 21.0 | 110 |
| 4.0 | 800 | FB27B6B0405*# | B | 32.0 (1.260) | 22.0 (0.866) | 13.0 (0.512) | 27.5 (1.083) | 0.80 (0.031) | 36.0 | 144.0 | 5.5 | 16.0 | 130 |
| 5.0 | 800 | FB27D6B0505*# | D | 32.0 (1.260) | 25.0 (0.984) | 16.0 (0.630) | 27.5 (1.083) | 0.80 (0.031) | 36.0 | 180.0 | 7.0 | 13.0 | 100 |
| 6.8 | 800 | FB27F6B0685*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 36.0 | 244.8 | 8.5 | 12.0 | 95 |
| 7.5 | 800 | FB27F6B0755*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 36.0 | 270.0 | 9.5 | 11.0 | 95 |
| 10 | 800 | FB27G6B0106*# | G | 32.0 (1.260) | 37.0 (1.457) | 22.0 (0.866) | 27.5 (1.083) | 0.80 (0.031) | 36.0 | 360.0 | 10.5 | 10.0 | 80 |
| 12 | 800 | FB37H6B0126*# | H | 42.5 (1.673) | 33.5 (1.319) | 22.0 (0.866) | 37.5 (1.476) | 1.00 (0.039) | 24.0 | 288.0 | 8.5 | 11.0 | 49 |
| 15 | 800 | FB37K6B0156*# | K | 42.5 (1.673) | 40.0 (1.575) | 20.0 (0.787) | 37.5 (1.476) | 1.00 (0.039) | 24.0 | 360.0 | 10.0 | 11.0 | 56 |
| 20 | 800 | FB37L6B0206*# | L | 42.5 (1.673) | 44.0 (1.732) | 24.0 (0.984) | 37.5 (1.476) | 1.00 (0.039) | 24.0 | 480.0 | 13.0 | 6.0 | 42 |
| 22 | 800 | FB37M6B0226*# | M | 42.5 (1.673) | 45.0 (1.772) | 30.0 (1.181) | 37.5 (1.476) | 1.20 (0.047) | 24.0 | 528.0 | 14.5 | 5.5 | 44 |
| 25 | 800 | FB37M6B0256*# | M | 42.5 (1.673) | 45.0 (1.772) | 30.0 (1.181) | 37.5 (1.476) | 1.20 (0.047) | 24.0 | 600.0 | 15.5 | 5.0 | 44 |
| 30 | 800 | FB52N6B0306*# | N | 57.5 (2.264) | 45.0 (1.772) | 30.0 (1.181) | 52.5 (2.067) | 1.20 (0.047) | 16.5 | 495.0 | 12.0 | 8.0 | 25 |
| 40 | 800 | FB52P6B0406*# | P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) | 16.5 | 660.0 | 14.5 | 6.0 | 20 |
| 47 | 800 | FB52P6B0476*# | P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) | 16.5 | 775.5 | 16.5 | 5.5 | 20 |
| Voltage V_{dc} 900V Voltage Code: C | | | | | | | | | | | | | |
| 2.2 | 900 | FB27B6C0225*# | B | 32.0 (1.260) | 22.0 (0.866) | 13.0 (0.512) | 27.5 (1.083) | 0.80 (0.031) | 41.5 | 91.3 | 3.7 | 30.0 | 130 |
| 2.5 | 900 | FB27B6C0255*# | B | 32.0 (1.260) | 22.0 (0.866) | 13.0 (0.512) | 27.5 (1.083) | 0.80 (0.031) | 41.5 | 103.8 | 4.3 | 26.0 | 130 |
| 3.0 | 900 | FB27C6C0305*# | C | 32.0 (1.260) | 24.5 (0.965) | 15.0 (0.591) | 27.5 (1.083) | 0.80 (0.031) | 41.5 | 124.5 | 5.0 | 21.0 | 110 |
| 3.3 | 900 | FB27E6C0335*# | E | 32.0 (1.260) | 28.0 (1.102) | 14.0 (0.551) | 27.5 (1.083) | 0.80 (0.031) | 41.5 | 137.0 | 5.0 | 20.0 | 110 |
| 7.5 | 900 | FB27G6C0755*# | G | 32.0 (1.260) | 37.0 (1.457) | 22.0 (0.866) | 27.5 (1.083) | 0.80 (0.031) | 41.5 | 311.3 | 9.5 | 15.0 | 80 |
| 10 | 900 | FB37H6C0106*# | H | 42.5 (1.673) | 33.5 (1.319) | 22.0 (0.866) | 37.5 (1.476) | 1.00 (0.039) | 28.0 | 280.0 | 8.5 | 12.0 | 49 |
| 15 | 900 | FB37L6C0156*# | L | 42.5 (1.673) | 44.0 (1.732) | 24.0 (0.984) | 37.5 (1.476) | 1.00 (0.039) | 28.0 | 420.0 | 11.0 | 8.0 | 42 |
| 20 | 900 | FB37M6C0206*# | M | 42.5 (1.673) | 45.0 (1.772) | 30.0 (1.181) | 37.5 (1.476) | 1.20 (0.047) | 28.0 | 560.0 | 14.0 | 6.0 | 44 |
| 25 | 900 | FB52N6C0256*# | N | 57.5 (2.264) | 45.0 (1.772) | 30.0 (1.181) | 52.5 (2.067) | 1.20 (0.047) | 18.5 | 462.5 | 11.0 | 10.0 | 25 |
| 35 | 900 | FB52P6C0356*# | P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) | 18.5 | 647.5 | 14.5 | 7.0 | 20 |

* Insert K for 10% capacitance tolerance (standard); J = +5% and M = +20% tolerances available on request.

Insert C for 5.00 (0.197) lead length (standard); L = 15 (0.591) available on request.

Values outside this standard range may be available – please contact AVX for any special requirements.

AVX reserves the right to supply capacitors to a tighter capacitance tolerance or higher voltage rating, in the same case size.



Medium Power Film Capacitors



FB (RoHS Compliant)

| Cap (µF) | Rated Voltage (V) | Part Number | Case Size | W ±0.50 (0.020) | H ±0.50 (0.020) | T ±0.50 (0.020) | P ±1.00 (0.039) | d ±0.05 (0.002) | dv/dt Volt/sec | I peak Amps | I rms Amps | ESR mOhms | Packaging Qty. |
|---|-------------------|---------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|-------------|------------|-----------|----------------|
| Voltage V_{dc} 1000V Voltage Code: K | | | | | | | | | | | | | |
| 1.5 | 1000 | FB27A6K0155*# | A | 32.0 (1.260) | 20.0 (0.787) | 11.0 (0.433) | 27.5 (1.083) | 0.80 (0.031) | 47.0 | 70.5 | 4.5 | 42.3 | 150 |
| 2.0 | 1000 | FB27B6K0205*# | B | 32.0 (1.260) | 22.0 (0.866) | 13.0 (0.512) | 27.5 (1.083) | 0.80 (0.031) | 47.0 | 94.0 | 5.5 | 38.5 | 130 |
| 2.5 | 1000 | FB27C6K0255*# | C | 32.0 (1.260) | 24.5 (0.965) | 15.0 (0.591) | 27.5 (1.083) | 0.80 (0.031) | 47.0 | 117.5 | 6.0 | 22.6 | 110 |
| 3.0 | 1000 | FB27E6K0305*# | E | 32.0 (1.260) | 28.0 (1.102) | 14.0 (0.551) | 27.5 (1.083) | 0.80 (0.031) | 47.0 | 141.0 | 7.0 | 18.4 | 110 |
| 4.7 | 1000 | FB27F6K0475*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 47.0 | 220.9 | 9.0 | 16.1 | 95 |
| 5.0 | 1000 | FB27F6K0505*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 47.0 | 235.0 | 9.0 | 15.0 | 95 |
| 6.8 | 1000 | FB27G6K0685*# | G | 32.0 (1.260) | 37.0 (1.457) | 22.0 (0.866) | 27.5 (1.083) | 0.80 (0.031) | 47.0 | 319.6 | 11.0 | 14.0 | 80 |
| 7.5 | 1000 | FB37H6K0755*# | H | 42.5 (1.673) | 33.5 (1.319) | 22.0 (0.866) | 37.5 (1.476) | 1.00 (0.039) | 31.0 | 232.5 | 10.0 | 14.0 | 49 |
| 9.0 | 1000 | FB37K6K0905*# | K | 42.5 (1.673) | 40.0 (1.57) | 20.0 (0.787) | 37.5 (1.476) | 1.00 (0.039) | 31.0 | 279.0 | 11.0 | 13.4 | 56 |
| 10 | 1000 | FB37K6K0106*# | K | 42.5 (1.673) | 40.0 (1.57) | 20.0 (0.787) | 37.5 (1.476) | 1.00 (0.039) | 31.0 | 310.0 | 11.0 | 12.8 | 56 |
| 12 | 1000 | FB37L6K0125*# | L | 42.5 (1.673) | 44.0 (1.732) | 24.0 (0.945) | 37.5 (1.476) | 1.00 (0.039) | 31.0 | 372.0 | 12.0 | 9.4 | 42 |
| 15 | 1000 | FB37M6K0156*# | M | 42.5 (1.673) | 45.0 (1.772) | 30.0 (1.181) | 37.5 (1.476) | 1.20 (0.047) | 31.0 | 465.0 | 14.0 | 8.0 | 44 |
| 22 | 1000 | FB52N6K0226*# | N | 57.5 (2.264) | 45.0 (1.772) | 30.0 (1.181) | 52.5 (2.067) | 1.20 (0.047) | 21.0 | 462.0 | 13.0 | 7.5 | 25 |
| 30 | 1000 | FB52P6K0306*# | P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) | 21.0 | 630.0 | 14.0 | 7.0 | 20 |
| Voltage V_{dc} 1100V Voltage Code: L | | | | | | | | | | | | | |
| 1.2 | 1100 | FB27A6L0125*# | A | 32.0 (1.260) | 20.0 (0.787) | 11.0 (0.433) | 27.5 (1.083) | 0.80 (0.031) | 70.0 | 84.0 | 3.4 | 40.5 | 150 |
| 1.5 | 1100 | FB27B6L0155*# | B | 32.0 (1.260) | 22.0 (0.866) | 13.0 (0.512) | 27.5 (1.083) | 0.80 (0.031) | 70.0 | 105.0 | 3.8 | 34.3 | 130 |
| 2.0 | 1100 | FB27C6L0205*# | C | 32.0 (1.260) | 24.5 (0.965) | 15.0 (0.591) | 27.5 (1.083) | 0.80 (0.031) | 70.0 | 140.0 | 4.5 | 23.0 | 110 |
| 2.2 | 1100 | FB27C6L0225*# | C | 32.0 (1.260) | 24.5 (0.965) | 15.0 (0.591) | 27.5 (1.083) | 0.80 (0.031) | 70.0 | 154.0 | 4.9 | 21.6 | 110 |
| 2.5 | 1100 | FB27E6L0255*# | E | 32.0 (1.260) | 28.0 (1.102) | 14.0 (0.551) | 27.5 (1.083) | 0.80 (0.031) | 70.0 | 175.0 | 5.3 | 19.3 | 110 |
| 3.3 | 1100 | FB27F6L0335*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 70.0 | 231.0 | 6.8 | 14.0 | 95 |
| 4.0 | 1100 | FB27F6L0405*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 70.0 | 280.0 | 8.0 | 11.5 | 95 |
| 4.7 | 1100 | FB27G6L0475*# | G | 32.0 (1.260) | 37.0 (1.457) | 22.0 (0.866) | 27.5 (1.083) | 0.80 (0.031) | 70.0 | 329.0 | 8.6 | 10.0 | 80 |
| 6.8 | 1100 | FB37H6L0685*# | H | 42.5 (1.673) | 33.5 (1.319) | 22.0 (0.866) | 37.5 (1.476) | 1.00 (0.039) | 45.0 | 306.0 | 11.0 | 14.0 | 49 |
| 7.5 | 1100 | FB37H6L0755*# | H | 42.5 (1.673) | 33.5 (1.319) | 22.0 (0.866) | 37.5 (1.476) | 1.00 (0.039) | 45.0 | 337.5 | 11.5 | 12.0 | 49 |
| 10 | 1100 | FB37L6L0106*# | L | 42.5 (1.673) | 44.0 (1.732) | 24.0 (0.945) | 37.5 (1.476) | 1.00 (0.039) | 45.0 | 450.0 | 14.0 | 9.0 | 42 |
| 12 | 1100 | FB37M6L0126*# | M | 42.5 (1.673) | 45.0 (1.772) | 30.0 (1.181) | 37.5 (1.476) | 1.20 (0.047) | 45.0 | 540.0 | 15.5 | 7.5 | 44 |
| 20 | 1100 | FB52N6L0206*# | N | 57.5 (2.264) | 45.0 (1.772) | 30.0 (1.181) | 52.5 (2.067) | 1.20 (0.047) | 23.0 | 460.0 | 14.0 | 9.0 | 25 |
| 22 | 1100 | FB52P6L0226*# | P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) | 23.0 | 506.0 | 15.5 | 8.0 | 20 |
| 25 | 1100 | FB52P6L0256*# | P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) | 23.0 | 575.0 | 16.0 | 7.0 | 20 |
| Voltage V_{dc} 1200V Voltage Code: P | | | | | | | | | | | | | |
| 0.68 | 1200 | FB27A6P0684*# | A | 32.0 (1.260) | 20.0 (0.787) | 11.0 (0.433) | 27.5 (1.083) | 0.80 (0.031) | 80.0 | 54.4 | 2.2 | 65.4 | 150 |
| 1.0 | 1200 | FB27B6P0105*# | B | 32.0 (1.260) | 22.0 (0.866) | 13.0 (0.512) | 27.5 (1.083) | 0.80 (0.031) | 80.0 | 80.0 | 3.0 | 43.0 | 130 |
| 1.5 | 1200 | FB27C6P0155*# | C | 32.0 (1.260) | 24.5 (0.965) | 15.0 (0.591) | 27.5 (1.083) | 0.80 (0.031) | 80.0 | 120.0 | 4.0 | 32.3 | 110 |
| 2.0 | 1200 | FB27F6P0205*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 80.0 | 160.0 | 5.0 | 21.5 | 95 |
| 2.2 | 1200 | FB27F6P0225*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 80.0 | 176.0 | 5.5 | 19.8 | 95 |
| 2.5 | 1200 | FB27F6P0255*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 80.0 | 200.0 | 5.8 | 18.0 | 95 |
| 3.0 | 1200 | FB27F6P0305*# | F | 32.0 (1.260) | 33.0 (1.299) | 18.0 (0.709) | 27.5 (1.083) | 0.80 (0.031) | 80.0 | 240.0 | 6.5 | 14.5 | 95 |
| 3.3 | 1200 | FB27G6P0335*# | G | 32.0 (1.260) | 37.0 (1.457) | 22.0 (0.866) | 27.5 (1.083) | 0.80 (0.031) | 80.0 | 264.0 | 7.2 | 13.0 | 80 |
| 4.0 | 1200 | FB27G6P0405*# | G | 32.0 (1.260) | 37.0 (1.457) | 22.0 (0.866) | 27.5 (1.083) | 0.80 (0.031) | 80.0 | 320.0 | 8.0 | 11.0 | 80 |
| 4.7 | 1200 | FB37H6P0475*# | H | 42.5 (1.673) | 33.5 (1.319) | 22.0 (0.866) | 37.5 (1.476) | 1.00 (0.039) | 55.0 | 258.5 | 6.3 | 20.0 | 49 |
| 5.0 | 1200 | FB37H6P0505*# | H | 42.5 (1.673) | 33.5 (1.319) | 22.0 (0.866) | 37.5 (1.476) | 1.00 (0.039) | 55.0 | 275.0 | 6.5 | 17.0 | 49 |
| 6.8 | 1200 | FB37L6P0685*# | L | 42.5 (1.673) | 44.0 (1.732) | 24.0 (0.945) | 37.5 (1.476) | 1.00 (0.039) | 55.0 | 374.0 | 8.0 | 14.3 | 42 |
| 7.5 | 1200 | FB37L6P0755*# | L | 42.5 (1.673) | 44.0 (1.732) | 24.0 (0.945) | 37.5 (1.476) | 1.00 (0.039) | 55.0 | 412.5 | 8.8 | 11.3 | 42 |
| 10 | 1200 | FB37M6P0106*# | M | 42.5 (1.673) | 45.0 (1.772) | 30.0 (1.181) | 37.5 (1.476) | 1.20 (0.047) | 55.0 | 550.0 | 11.0 | 8.5 | 44 |
| 12 | 1200 | FB52N6P0126*# | N | 57.5 (2.264) | 45.0 (1.772) | 30.0 (1.181) | 52.5 (2.067) | 1.20 (0.047) | 35.0 | 420.0 | 9.0 | 14.0 | 25 |
| 15 | 1200 | FB52N6P0156*# | N | 57.5 (2.264) | 45.0 (1.772) | 30.0 (1.181) | 52.5 (2.067) | 1.20 (0.047) | 35.0 | 525.0 | 10.0 | 11.0 | 25 |
| 20 | 1200 | FB52P6P0206*# | P | 57.5 (2.264) | 50.0 (1.969) | 35.0 (1.378) | 52.5 (2.067) | 1.20 (0.047) | 35.0 | 700.0 | 13.0 | 8.5 | 20 |

* Insert K for 10% capacitance tolerance (standard); J = +5% and M = +20% tolerances available on request.

Insert C for 5.00 (0.197) lead length (standard); L = 15 (0.591) available on request.

Values outside this standard range may be available – please contact AVX for any special requirements.

AVX reserves the right to supply capacitors to a tighter capacitance tolerance or higher voltage rating, in the same case size.



Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
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- Экспресс доставка в любую точку России;
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- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «JONHON», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «FORSTAR».



JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).



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