



Aluminum Electrolytic Capacitors

+85°C Non-Polar, Axial Lead

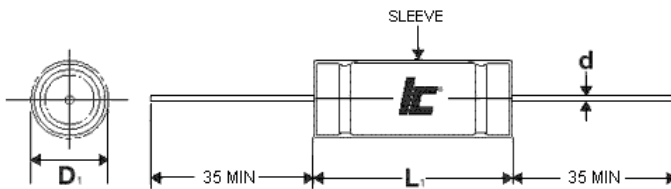
FEATURES

Small Size – Non/ Bi-Polar

APPLICATIONS

Audio Coupling – Crossover Networks

| | | | | | | | | | | | | |
|--|----------------|--|----------------------------------|------|------|------|------|------------------|-----|-----|-----|-----|
| Operating Temperature Range | | -40°C to +85°C | | | | | | | | | | |
| Capacitance Tolerance | | +20% at 120 Hz, 20°C | | | | | | | | | | |
| Surge Voltage | WVDC | 16 | 25 | 50 | 100 | | | | | | | |
| | SVDC | 20 | 32 | 63 | 125 | | | | | | | |
| Dissipation Factor | WVDC | 16 | 25 | 50 | 100 | | | | | | | |
| | Tan δ | .22 | .2 | .14 | .1 | | | | | | | |
| Leakage Current | | 5 Minutes | | | | | | | | | | |
| | | .05CV or 3uA, Whichever is greater | | | | | | | | | | |
| Low Temperature Stability Impedance Ratio (120 Hz) | WVDC | 16 | 25 | 50 | 100 | | | | | | | |
| | -25°C to 20°C | 2 | 2 | 2 | 2 | | | | | | | |
| | -40°C to +20°C | 6 | 5 | 4 | 3 | | | | | | | |
| Load Life | | 2000 hours at 85°C with rated WVDC and rated voltage reversed every 250 hours. | | | | | | | | | | |
| | | Capacitance Change | ≤20% of initial measured value | | | | | | | | | |
| | | Dissipation Factor | ≤200% of maximum specified value | | | | | | | | | |
| | | Leakage Current | ≥100% of maximum specified value | | | | | | | | | |
| Shelf Life | | 1000 hours at 85°C with no voltage applied | | | | | | | | | | |
| | | Capacitance Change | ≤20% of initial measured value | | | | | | | | | |
| | | Dissipation Factor | ≤200% of maximum specified value | | | | | | | | | |
| | | Leakage Current | ≥100% of maximum specified value | | | | | | | | | |
| Ripple Current Multipliers | | Capacitance | Frequency (Hz) | | | | | Temperature (°C) | | | | |
| | | uF | 50 | 120 | 400 | 1k | 10k | 50k | +85 | +70 | +60 | +30 |
| | | C≤10 | .72 | 1.0 | 1.25 | 1.45 | 1.65 | 1.7 | 1.0 | 1.3 | 1.5 | 1.8 |
| | | 10<C≤100 | .75 | 1.0 | 1.19 | 1.36 | 1.53 | 1.57 | 1.0 | 1.3 | 1.5 | 1.8 |
| | 100<C≤1000 | .79 | 1.0 | 1.15 | 1.3 | 1.45 | 1.49 | 1.0 | 1.3 | 1.5 | 1.8 | |



| | | | | | | | | | |
|---|-----|-----|-----|-----|------|-----|-----|-----|-----|
| D | 5 | 6.3 | 8 | 10 | 12.5 | 16 | 18 | 22 | 25 |
| d | 0.5 | 0.5 | 0.6 | 0.6 | 0.6 | 0.8 | 0.8 | 0.8 | 0.8 |
| B | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 | 0.5 | 0.5 | 1.0 | 1.0 |

L₁=L+2.0mm Max.
D₁=D+0.5 Max.

mm

BPA

+85°C, Bi-Polar/ non-polar
2000 hrs

| Capacitance (µF) | WVDC | IC PART NUMBER | Maximum ESR (Ω) 120 Hz, +20°C | Maximum RMS Ripple Current (mA) 120 Hz, +85°C | Dims DxL (mm) |
|------------------|------|----------------------------|-------------------------------|---|---------------|
| 0.47 | 50 | 474BPA050M | 493.832 | 13 | 6x16 |
| 1 | 50 | 105BPA050M | 232.101 | 19 | 6x16 |
| 1 | 100 | 105BPA100M | 165.786 | 25 | 6x16 |
| 2.2 | 50 | 225BPA050M | 105.5 | 30 | 6x16 |
| 2.2 | 100 | 225BPA100M | 75.358 | 36 | 6x16 |
| 3.3 | 50 | 335BPA050M | 70.334 | 37 | 6x16 |
| 3.3 | 100 | 335BPA100M | 50.238 | 46 | 6x16 |
| 4.7 | 50 | 475BPA050M | 49.383 | 46 | 6x16 |
| 4.7 | 100 | 475BPA100M | 35.274 | 55 | 6x16 |
| 10 | 50 | 106BPA050M | 23.21 | 68 | 6x16 |
| 10 | 100 | 106BPA100M | 16.579 | 92 | 8x19 |
| 15 | 25 | 156BPA025M | 22.105 | 73 | 6x16 |
| 15 | 50 | 156BPA050M | 15.47 | 98 | 8x16 |
| 22 | 25 | 226BPA025M | 15.072 | 88 | 6x16 |
| 22 | 50 | 226BPA050M | 9.38 | 120 | 8x16 |
| 22 | 100 | 226BPA100M | 7.538 | 155 | 10x19 |
| 33 | 25 | 336BPA025M | 10.048 | 120 | 8x16 |
| 33 | 50 | 336BPA050M | 7.033 | 145 | 8x19 |
| 33 | 100 | 336BPA100M | 5.024 | 210 | 10x24 |
| 47 | 16 | 476BPA016M | 7.76 | 110 | 6x16 |
| 47 | 25 | 476BPA025M | 7.055 | 140 | 8x16 |

| Capacitance (µF) | WVDC | IC PART NUMBER | Maximum ESR (Ω) 120 Hz, +20°C | Maximum RMS Ripple Current (mA) 120 Hz, +85°C | Dims DxL (mm) |
|------------------|------|----------------------------|-------------------------------|---|---------------|
| 47 | 50 | 476BPA050M | 4.938 | 200 | 10x19 |
| 47 | 100 | 476BPA100M | 3.527 | 285 | 12.5x27 |
| 68 | 16 | 686BPA016M | 5.364 | 155 | 8x16 |
| 68 | 25 | 686BPA025M | 4.876 | 204 | 10x19 |
| 68 | 50 | 686BPA050M | 3.413 | 260 | 10x24 |
| 100 | 16 | 107BPA016M | 3.647 | 175 | 8x19 |
| 100 | 25 | 107BPA025M | 3.316 | 235 | 10x19 |
| 100 | 50 | 107BPA050M | 2.321 | 325 | 10x24 |
| 100 | 100 | 107BPA100M | 1.658 | 500 | 16x34 |
| 150 | 25 | 157BPA025M | 2.211 | 320 | 10x19 |
| 220 | 16 | 227BPA016M | 1.658 | 290 | 10x19 |
| 220 | 25 | 227BPA025M | 1.507 | 390 | 10x24 |
| 220 | 50 | 227BPA050M | 1.055 | 600 | 12.5x31 |
| 330 | 16 | 337BPA016M | 1.105 | 450 | 10x24 |
| 330 | 25 | 337BPA025M | 1.005 | 555 | 12.5x27 |
| 330 | 50 | 337BPA050M | 0.703 | 730 | 16x34 |
| 470 | 16 | 477BPA016M | 0.776 | 565 | 10x30 |
| 470 | 25 | 477BPA025M | 0.706 | 665 | 12.5x31 |
| 470 | 50 | 477BPA050M | 0.494 | 860 | 16x39 |
| 1000 | 16 | 108BPA016M | 0.365 | 950 | 12.5x31 |