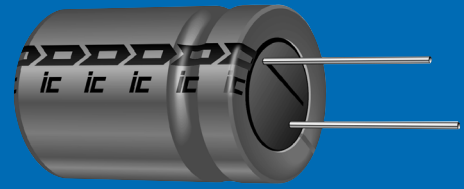


PLM

+85°C 7mm Height Low-Leakage Radial Lead Aluminum Electrolytic Capacitors



For all timing applications

FEATURES

- *Very small size*
- *Capacitance range: 0.1 μ F to 100 μ F*
- *Voltage range: 6.3 WVDC to 50 WVDC*
- *Solvent tolerant end seals standard*

SPECIFICATIONS

| | | | | | | | | | | | | | | |
|---|---|--|-----------|-----------|-----------|-----------|-------------------------|-----|-----|-----|--|--|--|--|
| Capacitance Tolerance | | $\pm 20\%$ at 120Hz, 20°C | | | | | | | | | | | | |
| Operating Temperature Range | | -40°C to +85°C | | | | | | | | | | | | |
| Dissipation Factor 120Hz, 20°C | WVDC | 6.3 | 10 | 16 | 25 | 35 | 50 | | | | | | | |
| | tan δ | .24 | .20 | .16 | .14 | .12 | .10 | | | | | | | |
| Impedance Ratio (Max.) @120Hz | WVDC | 6.3 | 10 | 16 | 25 | 35 | 50 | | | | | | | |
| | -25/20°C | 4 | 3 | 2 | 2 | 2 | 2 | | | | | | | |
| | -40/20°C | 10 | 8 | 6 | 4 | 3 | 3 | | | | | | | |
| Leakage Current | WVDC | ≤ 50 WVDC | | | | | | | | | | | | |
| | Time | 2 minutes | | | | | | | | | | | | |
| | | .002CV or .4μA whichever is greater | | | | | | | | | | | | |
| Load Life | 1,000 hours at 85°C with rated WVDC | | | | | | | | | | | | | |
| | Capacitance change Dissipation factor Leakage current | < 20% of initial measured values < 200% of initial specified value < Initial specified value | | | | | | | | | | | | |
| Shelf Life | 1,000 hours at 85°C with no voltage applied. Units will meet load life specifications. | | | | | | | | | | | | | |
| Ripple Current Multipliers | Frequency (Hz) | | | | | | Temperature (°C) | | | | | | | |
| | 50 | 120 | 400 | 1K | 10K | 100K | +85 | +70 | +60 | +45 | | | | |
| | 0.8 | 1.0 | 1.3 | 1.36 | 1.48 | 1.53 | 1.0 | 1.3 | 1.5 | 1.8 | | | | |

SPECIAL ORDER OPTIONS

(See pages 33 thru 37)

- *Special tolerances: $\pm 10\%$ (K), -10% + 30% (Q)*
- *Tape and Reel/Ammo Pack*
- *Cut, formed, cut and formed, and snap-in leads*
- *Epoxy end seal*
- *Polyester sleeve*



PLM

+ 85°C 7mm Height Low Leakage Radial Lead Aluminum Electrolytic Capacitors

STANDARD PART LISTING

| Capacitance (µF) | WVDC | IC PART NUMBER | Maximum ESR Ω 120Hz, +20°C | Maximum RMS Ripple Current (mA) 120Hz, +85°C | Dimensions DxL (mm) |
|------------------|------|----------------|-------------------------------|---|---------------------|
| 0.1 | 50 | 104PLM050M | 1657.86 | 1 | 4x7 |
| 0.22 | 50 | 224PLM050M | 753.57 | 2 | 4x7 |
| 0.33 | 50 | 334PLM050M | 502.38 | 3 | 4x7 |
| 0.47 | 50 | 474PLM050M | 352.74 | 5 | 4x7 |
| 1.0 | 50 | 105PLM050M | 165.79 | 10 | 4x7 |
| 2.2 | 50 | 225PLM050M | 75.357 | 17 | 4x7 |
| 3.3 | 50 | 335PLM050M | 50.238 | 20 | 4x7 |
| 4.7 | 35 | 475PLM035M | 42.328 | 22 | 4x7 |
| 4.7 | 50 | 475PLM050M | 35.274 | 27 | 5x7 |
| 10 | 16 | 106PLM016M | 26.526 | 27 | 4x7 |

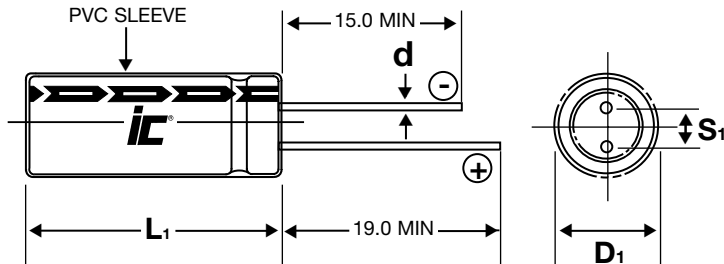
| Capacitance (µF) | WVDC | IC PART NUMBER | Maximum ESR Ω 120Hz, +20°C | Maximum RMS Ripple Current (mA) 120Hz, +85°C | Dimensions DxL (mm) |
|------------------|------|----------------|-------------------------------|---|---------------------|
| 10 | 35 | 106PLM035M | 19.894 | 34 | 5x7 |
| 10 | 50 | 106PLM050M | 16.579 | 41 | 6.3x7 |
| 22 | 6.3 | 226PLM6R3M | 18.086 | 31 | 4x7 |
| 22 | 16 | 226PLM016M | 12.057 | 43 | 5x7 |
| 22 | 35 | 226PLM035M | 9.043 | 56 | 6.3x7 |
| 33 | 10 | 336PLM010M | 10.048 | 48 | 5x7 |
| 33 | 25 | 336PLM025M | 7.033 | 62 | 6.3x7 |
| 47 | 6.3 | 476PLM6R3M | 8.466 | 52 | 5x7 |
| 47 | 16 | 476PLM016M | 5.644 | 69 | 6.3x7 |
| 100 | 6.3 | 107PLM6R3M | 3.979 | 82 | 6.3x7 |

PHYSICAL DIMENSIONS

| WVDC (V) (µF) | 6.3 (8) | 10 (13) | 16 (20) | 25 (32) | 35 (44) | 50 (63) |
|------------------|---------|---------|---------|---------|---------|---------|
| 0.1 | | | | | | 4x7 |
| .22 | | | | | | 4x7 |
| .33 | | | | | | 4x7 |
| .47 | | | | | | 4x7 |
| 1.0 | | | | | | 4x7 |
| 2.2 | | | | | | 4x7 |
| 3.3 | | | | | | 4x7 |
| 4.7 | | | | | | 4x7 |
| 10 | | | | | 4x7 | 5x7 |
| 22 | 4x7 | | 4x7 | | 5x7 | 6.3x7 |
| 33 | | 5x7 | | 6.3x7 | | |
| 47 | 5x7 | | 6.3x7 | | | |
| 100 | 6.3x7 | | | | | |

Convert to inches, divide by 25.4

DxL(mm)



LEAD INFORMATION VS. CASE DIAMETER

| D | 4 | 5 | 6.3 |
|---|-----|-----|-----|
| S | 1.5 | 2.0 | 2.5 |
| d | .45 | .45 | .45 |

L1= L+1mm Max.
S1= S± 0.5 mm Max.
D1= D+ 0.5 mm Max.