# PGM

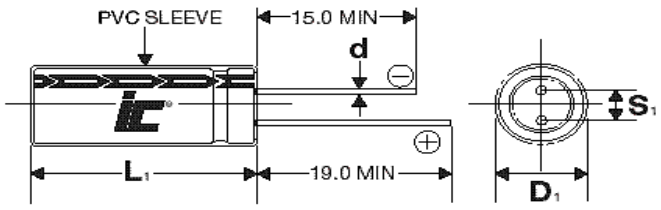
## Radial Lead Aluminum Electrolytic Capacitors

+105°C 7mm Height Low Profile



| | |
|---|---|
| FEATURES | Small size – 7mm Height |
| APPLICATIONS | Bypass – Coupling – Filtering – De-coupling |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Operating Temperature Range** | | **-55°C to +105°C** | | | | | | |
| **Capacitance Tolerance** | | **±20% at 120 Hz, 20°C** | | | | | | |
| **Surge voltage** | **WVDC** | **6.3** | **10** | **16** | **25** | **35** | **50** | |
| | **SVDC** | 7.9 | 13 | 20 | 32 | 44 | 63 | |
| **Dissipation Factor** | **WVDC** | **6.3** | **10** | **16** | **25** | **35** | **50** | |
| | **Tan δ** | .22 | .2 | .16 | .14 | .12 | .1 | |
| **Leakage current** | | **2 Minutes** | | | | | | |
| | | .01CV or 3uA,Whichever is greater | | | | | | |
| **Low temperature stability Impedance ratio (120 Hz)** | **WVDC** | **6.3** | **10** | **16** | **25** | **35** | **50** | |
| | **-25°C to +20°C** | 4 | 3 | 2 | 2 | 2 | 2 | |
| | **-40°C to +20°C** | 8 | 6 | 4 | 4 | 3 | 3 | |
| **Load Life** | | **1000 hours at 105°C with rated WVDC applied** | | | | | | |
| | | **Capacitance change** | ≤25% of initial measured value | | | | | |
| | | **Dissipation factor** | ≤200% of maximum specified value | | | | | |
| | | **Leakage current** | ≤100% of maximum specified value | | | | | |
| **Shelf Life** | | **1000 hours at 105°C with no voltage applied** | | | | | | |
| | | **Capacitance change** | ≤25% initial measured value | | | | | |
| | | **Dissipation factor** | ≤200% of maximum specified value | | | | | |
| | | **Leakage current** | ≤100% of maximum specified value | | | | | |
| **Ripple Current Multipliers** | | **Frequency (Hz)** | | | | | | |
| | | **Capacitance (uF)** | **50** | **120** | **400** | **1k** | **10k** | |
| | | 0.1~68 | .8 | 1.0 | 1 | 1.5 | 1.5 | |
| | | 100~470 | .8 | 1.0 | 1 | 1.15 | 1.2 | |




| D | 5 | 6.3 | 8 |
|---|---|---|---|
| S | 2.0 | 2.5 | 3.5 |
| d | 0.5 | 0.5 | 0.6 |

$L_1$=L+1.5mm Max. mm
$D_1$=D+0.5mm Max.
$S_1$=S+0.5 mm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# PGM

**+105°C, 7mm Height, General Purpose, 1000 hours**

| Capacitance (µF) | WVDC | IC PART NUMBER | Maximum ESR (Ω) 120 Hz, +20°C | Maximum RMS Ripple Current (mA) 120 Hz, +105°C | Dims DxL (mm) |
|---|---|---|---|---|---|
| 0.1 | 50 | 104PGM050M | 1657.86 | 1.5 | 4x7 |
| 0.22 | 50 | 224PGM050M | 753.575 | 2.5 | 4x7 |
| 0.33 | 50 | 334PGM050M | 502.383 | 3.5 | 4x7 |
| 0.47 | 50 | 474PGM050M | 352.737 | 5 | 4x7 |
| 1 | 50 | 105PGM050M | 165.786 | 10 | 4x7 |
| 2.2 | 50 | 225PGM050M | 75.358 | 19 | 4x7 |
| 3.3 | 50 | 335PGM050M | 50.238 | 24 | 4x7 |
| 4.7 | 35 | 475PGM035M | 42.328 | 22 | 4x7 |
| 4.7 | 50 | 475PGM050M | 35.274 | 27 | 5x7 |
| 6.8 | 25 | 685PGM025M | 34.133 | 27 | 4x7 |
| 6.8 | 35 | 685PGM035M | 29.256 | 30 | 5x7 |
| 6.8 | 50 | 685PGM050M | 24.38 | 40 | 6.3x7 |
| 10 | 16 | 106PGM016M | 26.526 | 24 | 4x7 |
| 10 | 35 | 106PGM035M | 19.894 | 29 | 5x7 |

| Capacitance (µF) | WVDC | IC PART NUMBER | Maximum ESR (Ω) 120 Hz, +20°C | Maximum RMS Ripple Current (mA) 120 Hz, +105°C | Dims DxL (mm) |
|---|---|---|---|---|---|
| 10 | 50 | 106PGM050M | 16.579 | 40 | 6.3x7 |
| 22 | 6.3 | 226PGM6R3M | 16.5786 | 31 | 4x7 |
| 22 | 16 | 226PGM016M | 12.057 | 42 | 5x7 |
| 22 | 35 | 226PGM035M | 9.043 | 58 | 6.3x7 |
| 22 | 50 | 226PGM050M | 7.536 | 65 | 8x7 |
| 33 | 10 | 336PGM010M | 10.048 | 50 | 5x7 |
| 33 | 25 | 336PGM025M | 7.033 | 60 | 6.3x7 |
| 33 | 35 | 336PGM035M | 6.029 | 80 | 8x7 |
| 47 | 6.3 | 476PGM6R3M | 7.76 | 55 | 5x7 |
| 47 | 16 | 476PGM016M | 5.644 | 75 | 6.3x7 |
| 47 | 25 | 476PGM025M | 4.938 | 95 | 8x7 |
| 100 | 6.3 | 107PGM6R3M | 3.6473 | 90 | 6.3x7 |
| 220 | 10 | 227PGM010M | 1.507 | 145 | 8x7 |


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