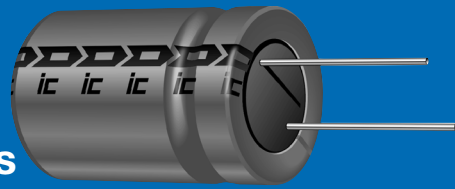


# PGM

## +105°C 7mm Height Low Profile Radial Lead Aluminum Electrolytic Capacitors



*For all long life general purpose applications*

### FEATURES

- *Very Small Size*
- *Capacitance range: 0.1  $\mu$ F to 100  $\mu$ F*
- *Voltage range: 6.3 WVDC to 50 WVDC*
- *Solvent tolerant end seals standard*

### SPECIFICATIONS

<b>Capacitance Tolerance</b>		<b><math>\pm 20\%</math> at 120Hz, 20°C</b>											
<b>Operating Temperature Range</b>		<b>-55°C to +105°C</b>											
<b>Dissipation Factor 120Hz 20°C</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>						
	<b>tan <math>\delta</math></b>	.24	.20	.16	.14	.12	.10						
<b>Impedance Ratio (Max.) @120Hz</b>	<b>WVDC</b>	<b>6.3</b>	<b>10</b>	<b>16</b>	<b>25</b>	<b>35</b>	<b>50</b>						
	<b>-25°C/20°C</b>	3	2	2	2	2	2						
	<b>-40°C/20°C</b>	6	5	4	3	3	3						
<b>Leakage Current</b>	<b>WVDC</b>	<b><math>\leq 50</math> WVDC</b>											
	<b>Time</b>	<b>2 minutes</b>											
		<b>.01 CV or 3 <math>\mu</math>A whichever is greater</b>											
<b>Load Life</b>		<b>1,000 hours at 105°C with rated WVDC</b>											
		Capacitance change Dissipation factor Leakage current									< 20% of initial measured value < 200% of initial specified value < Initial specified value		
<b>Shelf Life</b>		1,000 hours at 105°C with no voltage applied. Units will meet load life specification.											
<b>Ripple Current Multipliers</b>		<b>Frequency (Hz)</b>						<b>Temperature (°C)</b>					
		50	120	400	1K	10K	100K	+105	+85	+65			
		0.8	1.0	1.3	1.45	1.65	1.7	1.0	1.4	1.75			

### 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*



## STANDARD PART LISTING

Capacitance (µF)	WVDC	IC <sup>®</sup> PART NUMBER	Maximum ESR Ω 120Hz,+20°C	Maximum RMS Ripple Current (mA) 120Hz,+105°C	Dimension DxL (mm)
0.1	50	104PGM050M	1657.86	1	4x7
0.22	50	224PGM050M	753.57	2.2	4x7
0.33	50	334PGM050M	502.38	3.3	4x7
0.47	50	474PGM050M	352.74	5	4x7
1.0	50	105PGM050M	165.79	10	4x7
2.2	50	225PGM050M	75.357	16	4x7
3.3	50	335PGM050M	50.238	20	4x7
4.7	35	475PGM035M	42.328	22	4x7
4.7	50	475PGM050M	35.274	27	5x7
6.8	25	685PGM025M	34.132	27	4x7
6.8	35	685PGM035M	29.256	30	5x7
6.8	50	685PGM050M	24.380	40	6.3x7
10	16	106PGM016M	26.526	27	4x7
10	35	106PGM035M	19.894	34	5x7

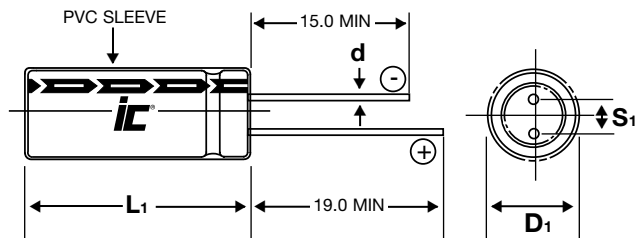
Capacitance (µF)	WVDC	IC <sup>®</sup> PART NUMBER	Maximum ESR Ω 120Hz,+20°C	Maximum RMS Ripple Current (mA) 120Hz,+105°C	Dimension DxL (mm)
10	50	106PGM050M	16.579	41	6.3x7
22	6.3	226PGM6R3M	18.086	32	4x7
22	16	226PGM016M	12.057	43	5x7
22	35	226PGM035M	9.043	54	6.3x7
22	50	226PGM050M	7.536	65	8x7
33	10	336PGM010M	10.048	48	5x7
33	25	336PGM025M	7.033	62	6.3x7
33	35	336PGM035M	6.029	72	8x7
47	6.3	476PGM6R3M	8.466	52	5x7
47	16	476PGM016M	5.644	69	6.3x7
47	25	476PGM025M	4.938	78	8x7
100	6.3	107PGM6R3M	3.979	82	6.3x7
220	10	227PGM010M	1.507	140	8x7

## PHYSICAL DIMENSIONS

WVDC (V) / Capacitance (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	5x7
6.8				4x7	5x7	6.3x7
10			4x7		5x7	6.3x7
22	4x7		5x7		6.3x7	8x7
33		5x7		6.3x7	8x7	
47	5x7		6.3x7	8x7		
100	6.3x7					
220		8x7				

Convert to inches, divide by 25.4

DxL(mm)



### LEAD INFORMATION V.S. CASE DIAMETER

D	4	5	6.3	8
S	1.5	2.0	2.5	3.5
d	.45	.45	.45	.50

L<sub>1</sub> ≤ L + 1.0mm Max.  
D<sub>1</sub> = D + 0.5mm Max.  
S<sub>1</sub> = S ± 0.5mm