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 µF to 100 µF*
- *Voltage range: 6.3 WVDC to 50 WVDC*
- *Solvent tolerant end seals standard*

SPECIFICATIONS

Capacitance Tolerance		**±20% at 120Hz, 20°C**						
Operating Temperature Range		**-55°C to +105°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°C/20°C	3	2	2	2	2	2	
	-40°C/20°C	6	5	4	3	3	3	
Leakage Current	**WVDC**	**50 WVDC**						
	Time	**2 minutes**						
		.01 CV or 3 µA whichever is greater						
Load Life		**1,000 hours at 105°C with rated WVDC**						
		Capacitance change Dissipation factor Leakage current				< 20% of initial measured value <200% of initial specified value <Initial specified value		
Shelf Life		1,000 hours at 105°C with no voltage applied. Units will meet load life specification.						
Ripple Current Multipliers		Frequency (Hz)						Temperature (°C)
		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 7 thru 11)

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

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STANDARD PART LISTING

Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR 120Hz,+20°C	Maximum RMS Ripple Current (mA) 120Hz,+105°C	Dimension DxL (mm)
0.1	50	**104PGM050M**	1657	1	4x7
0.22	50	**224PGM050M**	753.5	2.2	4x7
0.33	50	**334PGM050M**	502.3	3.3	4x7
0.47	50	**474PGM050M**	352.7	5	4x7
1.0	50	**105PGM050M**	165.7	10	4x7
2.2	50	**225PGM050M**	75.35	16	4x7
3.3	50	**335PGM050M**	50.23	20	4x7
4.7	35	**475PGM035M**	42.32	22	4x7
4.7	50	**475PGM050M**	35.27	27	5x7
6.8	25	**685PGM025M**	34.13	27	4x7
6.8	35	**685PGM035M**	29.25	30	5x7
6.8	50	**685PGM050M**	24.38	40	6.3x7

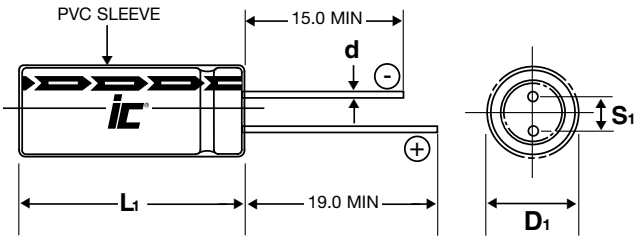
Capacitance (µF)	WVDC	IC PART NUMBER	Maximum ESR 120Hz,+20°C	Maximum RMS Ripple Current (mA) 120Hz,+105°C	Dimension DxL (mm)
10.0	16	**106PGM016M**	26.52	27	4x7
10.0	35	**106PGM035M**	19.89	34	5x7
10.0	50	**106PGM050M**	16.57	41	6.3x7
22.0	6.3	**226PGM6R3M**	18.08	32	4x7
22.0	16	**226PGM016M**	12.05	43	5x7
22.0	35	**226PGM035M**	9.04	54	6.3x7
33.0	10	**336PGM010M**	10.04	48	5x7
33.0	25	**336PGM025M**	7.03	62	6.3x7
47.0	6.3	**476PGM6R3M**	8.47	52	5x7
47.0	16	**476PGM016M**	5.64	69	6.3x7
100	6.3	**107PGM6R3M**	3.98	82	6.3x7

NOTE 1: WVDC: MAXIMUM RATED DC WORKING VOLTAGE AT +105°C.
NOTE 2: SVDC: MAXIMUM RATED DC SURGE VOLTAGE AT +105°C.
NOTE 3: DISSIPATION FACTOR (tan δ) MAXIMUM;120 Hz, +25°C.
NOTE 4: ESR: MAXIMUM EQUIVALENT SERIES RESISTANCE; 120 Hz, +25°C MINIMUM CAPACITANCE, MAXIMUM DISSIPATION FACTOR.
NOTE 5: MAXIMUM LEAKAGE CURRENT; RATED WVDC, 2 MINUTES, +25°C.
NOTE 6: RMS RIPPLE CURRENT; 120 Hz, +105°C.
NOTE 7: CAPACITANCE TOLERANCE IS MEASURED AT 120 Hz, +25°C.
NOTE 8: ALL MEASUREMENTS ARE PERFORMED USING THE BRIDGE METHOD.

PHYSICAL DIMENSIONS

WVDC (SV) / (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	
33	→	5x7	→	6.3x7		
47	5x7	→	6.3x7			
100	6.3x7					

Convert to inches, divide by 25.4 **DxL(mm)**



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

L_1 L+1.0mm Max.
D_1=D+0.5mm Max.
S_1= S± 0.5mm