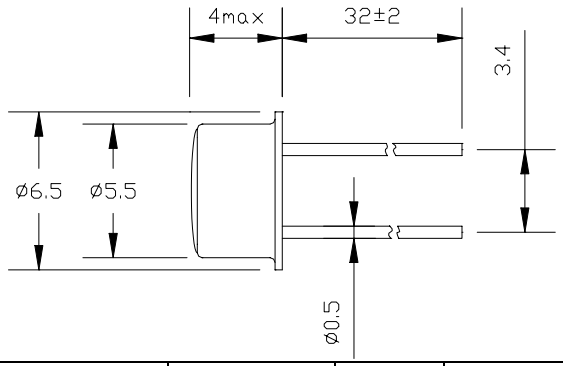
PREE

CDS PHOTORESISTORS

PGMxxx-MP Series...

Metal Case package

PGM5xxx-MP



Features:

- Hermetic package
- Reliable Performance
- Quick Response
- Good Characteristic of Spectrum

Applications:

- Industrial Control
- Photoelectric Control
- Photoswitch
- Electronic Toys

Model	V_{max} (VDC)	P_{max} (mW)	Ambient Temp (°C)	Spectral Peak (nm)	Photo Resistance (10Lx) (KΩ)	Dark Resistance (MΩ)min	γ min	Response Time (ms)	
								Rise	Decay
PGM5506-MP	100	90	-30 ~ +70	540	2 ~ 6	0.15	0.6	30	40
PGM5516-MP	100	90	-30 ~ +70	540	5 ~ 10	0.2	0.6	30	40
PGM5526-MP	150	100	-30 ~ +70	540	8 ~ 20	1.0	0.6	20	30
PGM5537-MP	150	100	-30 ~ +70	540	16 ~ 50	2.0	0.7	20	30
PGM5539-MP	150	100	-30 ~ +70	540	30 ~ 90	5.0	0.8	20	30
PGM5549-MP	150	100	-30 ~ +70	540	45 ~ 140	10.0	0.8	20	30

Measuring Conditions

1. Light Resistance:
   Measured at 10 lux with standard light A (2854K-color temperature) and 2hr. preillumination at 400-600 lux prior testing.
2. Dark Resistance :
   Measured 10 seconds after closed 10 lux.
3. Gamma characteristic:
   Between 10 lux and 100 lux and given by
   $\gamma = \log(R10/R100)/\log(100/10) = \log(R10/R100)$
   R10,R10: Cell resistance at 10 lux and 100 lux. The tolerance of γ is ± 0.1.
4. Pmax:
   Max. Power Dissipation at ambient temperature of 25° C.
5. Vmax:
   Max. Voltage in Darkness that may be applied to the cell continuously.

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