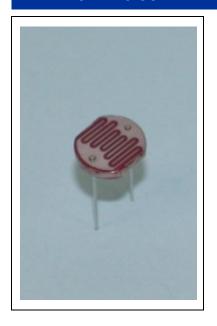
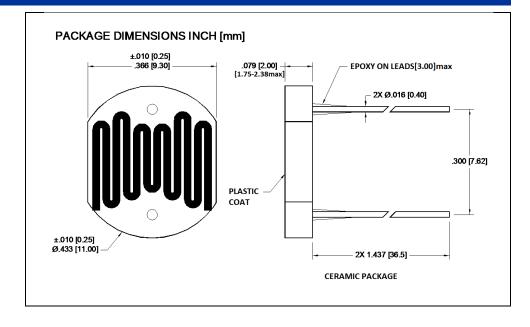


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Precision – Control – Results





DESCRIPTION

The **PDV-P5001** are (CdS), Photoconductive photocells designed to sense light from 400 to 700 nm. These light dependent resistors are available in a wide range of resistance values. They're packaged in a two leaded plastic-coated ceramic header.

RELIABILITY

Contact Luna for recommendations on specific test conditions and procedures.

FEATURES

- Visible light response
- Sintered construction
- Low cost

APPLICATIONS

- Camera exposure
- Shutter controls
- Night light controls

ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN		MAX	UNITS	
Applied Voltage	-	-	350	V	T _a = 23°C UNLESS OTHERWISE NOTED
Continuous Power Dissipation	-	-	400	mW/°C	-
Operating and Storage Temperature	-30	to	+75	°C	-
Soldering Temperature*	-	-	+260	°C	-

^{* 0.200} inch from base for 3 seconds with heat sink.





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OPTO-ELECTRICAL PARAMETERS

T_a = 23°C UNLESS NOTED OTHERWISE

PARAMETER	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Dark Resistance	After 10 sec. @ 10 Lux @2856°K	0.3	-	-	МΩ
Illuminating Resistance	10 Lux @ 2856 °K	8	-	16	ΚΩ
Sensitivity	Log(R100) - Log(R10) **	-	0.6	-	Ω/Lux
	$\frac{1}{\log(E100) - \log(E10) ***}$				
Spectral Application Range	Flooded	400	-	700	Nm
Spectral Application Range	al Application Range Flooded		520	-	Nm
Rise Time	10 Lux @ 2856 °K		55	-	Ms
Fall Time	After 10 Lux @ 2856 °K	-	25	-	Ms

^{**}R100, R10: cell resistances at 100 Lux and 10 Lux at 2856 °K respectively.

^{***}E100, E10: luminances at 100 Lux and 10 Lux 2856 °K respectively.