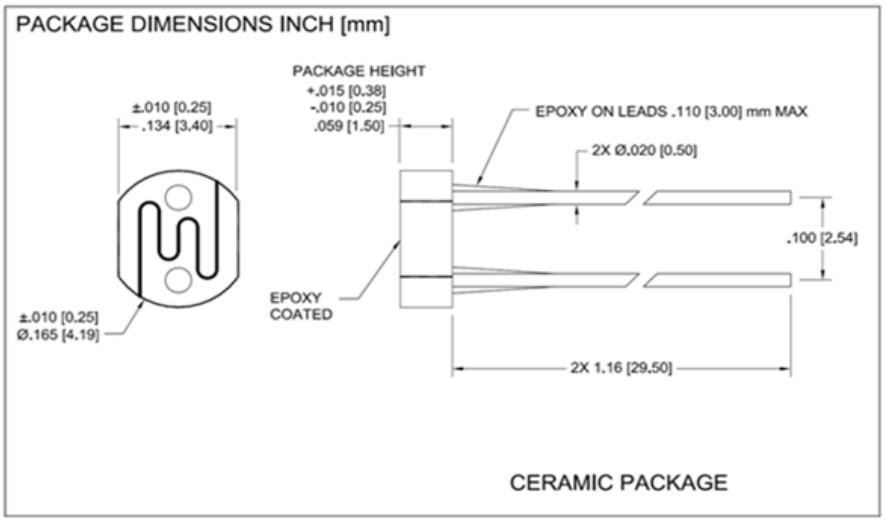
CdS Photoconductive Photocells

PDV-P9200

WWW.LUNAINC.COM **Precision – Control – Results**



DESCRIPTION

The **PDV-P9200** 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.

FEATURES

- Visible light response
- Sintered construction
- Low cost

RELIABILITY

This Luna high-reliability device is in principle able to meet military test requirements (Mil-STD-750, Mil-STD-883) after proper screening and group test.
Contact Luna for recommendations on specific test conditions and procedures.

APPLICATIONS

- Camera exposure
- Shutter controls
- Night light controls

ABSOLUTE MAXIMUM RATINGS

SYMBOL	MIN		MAX	UNITS	(TA)= 23°C UNLESS OTHERWISE NOTED
Applied Voltage	-	-	150	V	-
Continuous Power Dissipation	-	-	90	mW/°C	-
Operation and Storage Temperature	-30	to	+75	V	-
Soldering Temperature*	-	-	+260	°C	-

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

REV 10-24-16

Luna Optoelectronics, 1240 Avenida Acaso, Camarillo CA 93012 • Phone (805) 987-0146 • Fax (805) 484-9935

OPTO-ELECTRICAL PARAMETERS

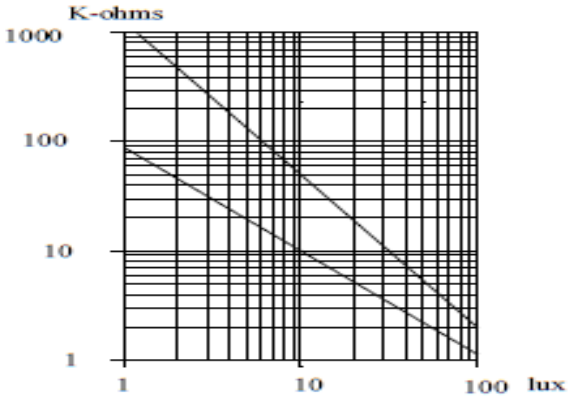
T_a = 23°C UNLESS NOTED OTHERWISE

PARAMETER	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Dark Resistance	After 10 sec. @10 Lux @ 2856°K	5	-	-	MΩ
Illuminated Resistance	10 Lux @ 2856°K	10	-	5	KΩ
Sensitivity	$\frac{\mathrm{Log}(\mathrm{R100}) - \mathrm{Log}(\mathrm{R10})\ **}{\mathrm{Log}(\mathrm{E100}) - \mathrm{Log}(\mathrm{E10})\ ***}$	-	.85	-	Ω/Lux
Spectral Application Range	Flooded	400	-	700	nm
Spectral Application Range	Flooded	-	570	-	nm
Rise Time	10 Lux @ 2856 °K	-	60	-	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.

TYPICAL PERFORMANCE

CELL RESISTANCE vs. ILLUMINANCE



Luna Optoelectronics, 1240 Avenida Acaso, Camarillo CA 93012 • Phone (805) 987-0146 • Fax (805) 484-9935

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for luna optoelectronics ***manufacturer:***

Other Similar products are found below :

PDI-E804 PDB-V615-2 PDB-V601-1-25 PDB-C110 PDV-P9004 PDB-C109 PDB-V107 PDB-C612-2 PDB-C107 SLSD-71N300 PDV-P9103 NSL-4960 PDB-C609-2 PDB-C158F PDV-P5002 NSL-6910 PDB-C613-2 NSL-5150 NSL-5510 PDV-P8101 PDV-P8005 NSL-32SR2S PDV-P8107 PDB-C160SM PDV-P5001 PDV-P7002 PDV-P9003-1 SLD-70BG2A PDV-P5003 PDV-P9003 NSL-5540 NSL-32SR2 PDV-P8006 PDV-P8102 PDB-C158 NORPS-12 PDV-P8001 PDB-C171SM PDV-P9002 PDV-P9200 PDV-P9005 APW-MW2-1210-010 NSL-5152 NSL-5162 NSL-5112 PDV-P9203 NSL-6110 NSL-06S53 PDV-P9002-1 PDB-C139