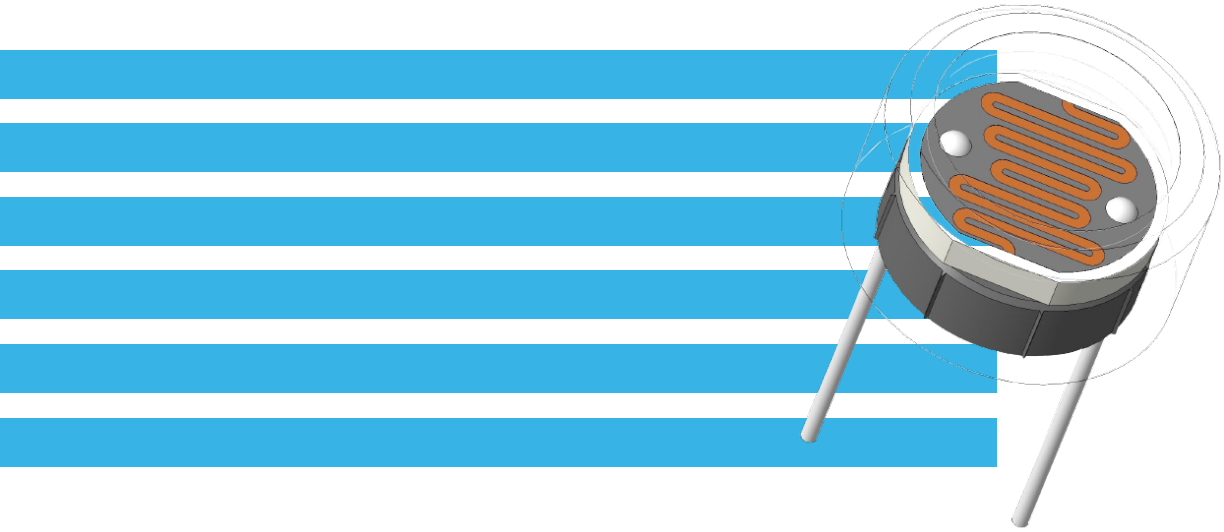

NORPS-12

1.0MΩ Dark ResistanceLight Dependent Resistor (LDR) CdS Photocell

The NORPS-12 is a light dependent resistor with sensitivity in the visible light region. The CdS photoresistor photocell is mounted on a 2-pin ceramic encapsulated in a moisture-resistant coating and enclosed in a plastic casing.

Advanced Photonix's CdS Photocells are photoresistor cells for visible light measurement designed to sense light from 400 to 700 nm. Their resistance decreases as the light level increases with efficiency characteristics similar to the human eye. These Light Dependent Resistors (LDR) are available in a wide range of resistance values. They are available in a two leaded plastic-coated ceramic header or hermetically sealed TO metal can.

Applications

- Industrial
- Audio Compressors
- Night Lights
- Photography Light Meters
- Solar Street Lights
- Flame Detection

Features

- Compact Design
- 550 nm Peak Response
- Passive Resistance Output

Absolute Maximum Ratings

Parameter	Symbol	Min	Max	Unit
Voltage	V_R	-	250	V
Power Dissipation	-	-	250	mW
Operating Temperature	T_{OP}	-60	+75	°C
Storage Temperature	T_{STG}	-60	+75	°C
Package		Plastic Casing		

Typical Electro-Optical Specifications at T_A=23 °C

Parameter	Test Conditions	Symbol	Min	Typ	Max	Unit
Light Resistance	1 ftc	R_L	5.4	-	12.6	KΩ
Dark Resistance	15 sec after removal of test light	R_D	1.0	-	-	MΩ
Spectral Peak	-	λ_P	-	550	-	nm

Mechanical Specifications

Units are in inches (mm)