



Dimensions in mm.

Description:

A light dependent resistor with sensitivity in the visible light region. The CdS photoconductive cell is on a TO-18 ceramic and the photocell surface is plastic encapsulated for moisture resistance.

Features:

- Passive resistance output
- Ceramic package
- Lead free

Applications

- Industrial

Absolute maximum rating

Symbol	Minimum		Maximum	Units	T _a = 23°C unless noted otherwise
Voltage (Peak AC or DC)	-	-	100	V	-
Power Dissipation @ 25°C ¹	-	-	50	mW	-
Operating Temperature	-60	to	+75	°C	-
Storage Temperature	-60	to	+75	°C	-
Soldering Temperature ²	-	-	+260	°C	-

NOTE: 1. Derate linearly to 0 at 75°C. **2.** > 0.05" from base for < 10 sec.

Opto-electrical parameters (T_a = 23°C unless noted otherwise)

Parameter	Test Conditions	Minimum	Typical	Maximum	Units
Light Resistance	2 ftc., 2854°K ³	6	10	14	KΩ
	100 ftc., 2854°K ³	-	700	-	Ω
Dark Resistance	5 sec after removal of test light	670	-	-	KΩ
Spectral Peak	-	-	550	-	nm

NOTE: 3. Cells light adapted at 30 to 50 Ftc for 16 hrs. minimum prior to electrical tests