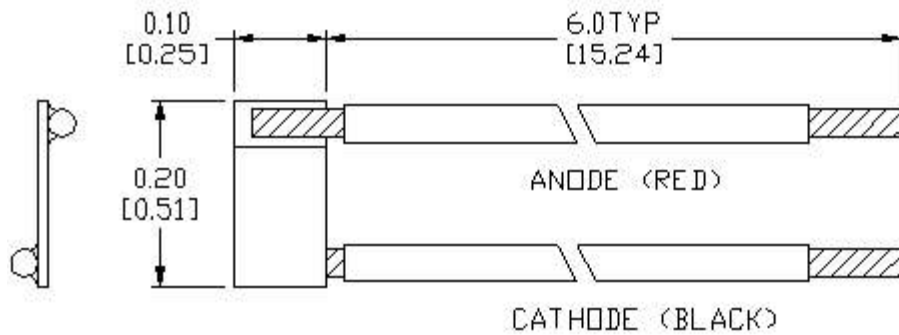


**DESCRIPTION**

This is a Silicon photocell for use in photometer, position detection, optical encoders and solar energy conversion applications.

**FEATURES**

- Large detection area
- Low cost
- High conversion efficiency
- 6" wire leads



**ABSOLUTE MAXIMUM RATINGS**

- Storage temperature..... -40°C to +85°C
- Case operating temperature..... 0°C to +70°C
- Lead solder temperature..... 260°C, 10 seconds

**OUTLINE DIMENSIONS**

Tolerances are +/-0.01 inches, except as noted

**ELECTRO-OPTICAL CHARACTERISTICS (Case T = 25°C)**

PARAMETER	TEST CONDITION	SYMBOL	MIN	TYP	MAX	UNIT
Capacitance	Vr = 0 V	C		1.5		nF
Responsivity	λ = 900 nm	Re		.48		A/W
Spectral Response		λ	400		1100	nm
Forward Voltage	If = 1 mA	Vf		0.50		Volts
Dark Current	Vr = 0.1 Volts, H = 0 mW	Id		0.3		μA
Short Circuit Current	100mW/cm <sup>2</sup> , AM1 Solar Radiation	Isc		1.8		mA
Short Circuit Current	100fc, Tungsten 2870K	Isc		0.07		mA
Open Circuit Voltage	100mW/cm <sup>2</sup> , AM1 Solar Radiation	Isc		0.43		Volts

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