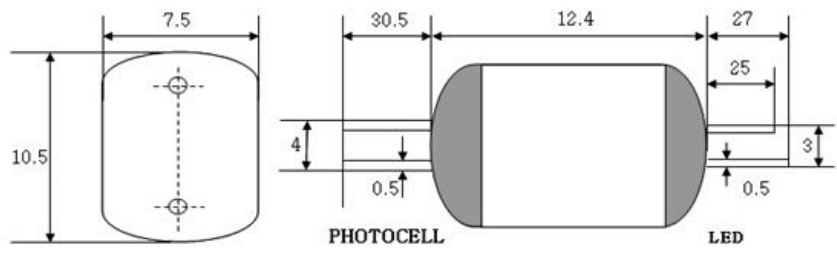
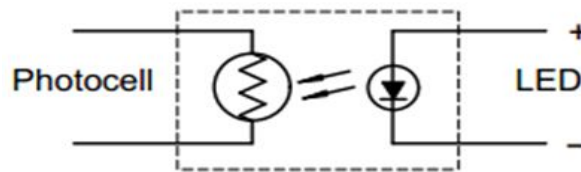


PACKAGE DIMENSIONS (MM)



DESCRIPTION

LOC5/7 is a shallow sloped device with good dynamic range, average temperature coefficient of resistance, speed of response, and light history memory.



ABSOLUTE MAXIMUM RATINGS @ 25°C

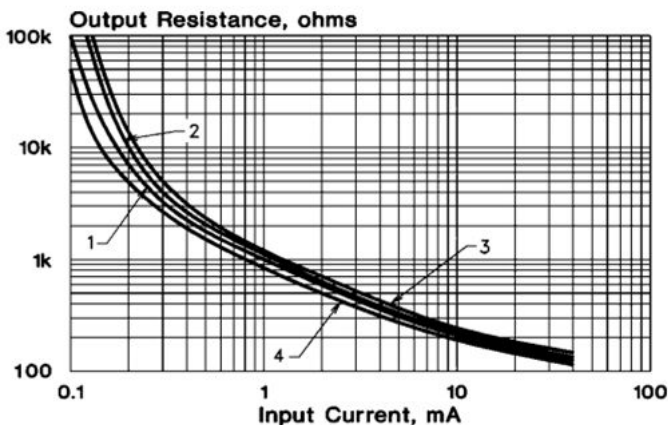
Maximum Temperatures		LED Forward Voltage Drop @ 20 mA:	2.0V (1.65V Typ.)
Storage and Operating:	-40°C to 75°C	Min. Isolation Voltage @ 70% Rel. Humidity:	2500 VRMS
Cell Power:	175 mW	Output Cell Capacitance:	5.0 pF
Derate above 30°C:	3.9 mW/°C	Cell Voltage:	50V (LOC5/7)
LED Current:	40 mA	Input - Output Coupling Capacitance:	0.5 pF
Derate above 30°C:	0.9 mA/°C		
LED Reverse Breakdown Voltage:	3.0 V		

ELECTRO-OPTICAL CHARACTERISTICS @ 25°C

Part Number	Material Type	ON Resistance		OFF Resistance @10sec. (Min.)	Slope (Typ.) @0.5 mA R@5 mA	Dynamic Range (Typ.) R_{DARK} R@20 mA	Response Time	
		Input Current	Dark Adapted (Typ.)				Turn-on to 63% Final R_{ON} (Typ.)	Turn-off (Decay) to 100 kΩ (Max.)
LOC5/7	7	2mA	1.1KΩ	1MΩ	5.7	75db	6.0ms	1sec

Typical Performance Curves

**Output Resistance vs. Input Current
LOC5/7**



**Response Time
LOC5/7**

