

# T-1 3/4 (5mm) SOLID STATE LAMP

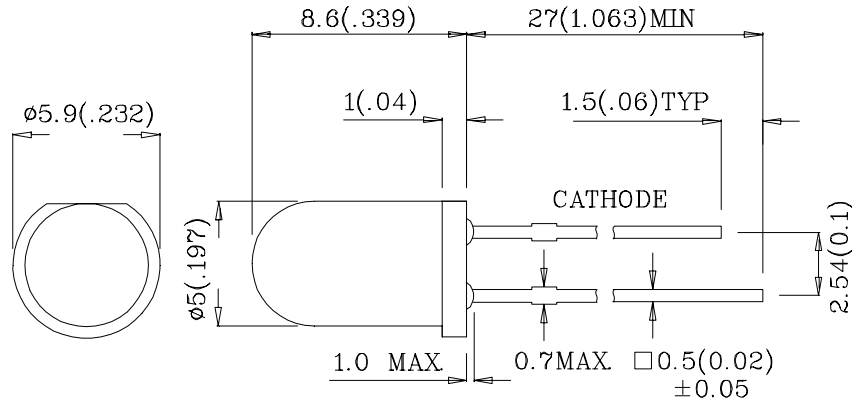


# SUN LED

XLHR53D

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### Notes:

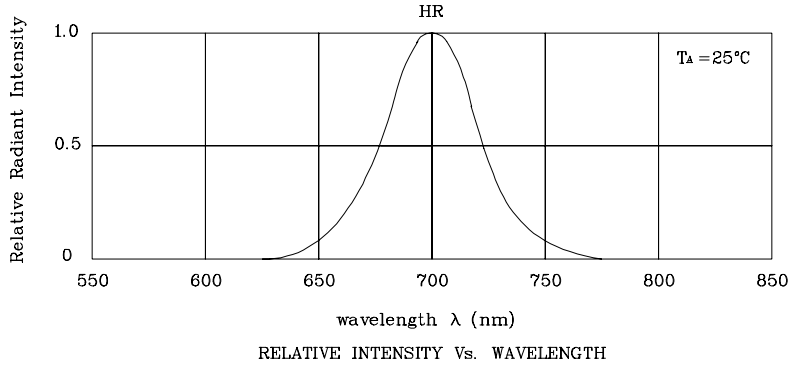
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.

--Absolute maximum ratings ( $T_A=25^\circ\text{C}$ )		HR (GaP)	Unit
Reverse voltage	$V_R$	5	V
Forward current	$I_F$	25	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	$i_{FS}$	130	mA
Power dissipation	$P_T$	120	mW
Operating temperature	$T_A$	-40 ~ +85	$^\circ\text{C}$
Storage temperature	$T_{stg}$		
Lead solder temperature [2mm below package base]	260 $^\circ\text{C}$ For 5 Seconds		

Operating Characteristics ( $T_A=25^\circ\text{C}$ )		HR (GaP)	Unit
Forward voltage (typ.) ( $I_F=10\text{mA}$ )	$V_F$	2.05	V
Forward voltage (max.) ( $I_F=10\text{mA}$ )	$V_F$	2.5	V
Reverse current ( $V_R=5\text{V}$ )	$I_R$	10	$\mu\text{A}$
Wavelength at peak emission ( $I_F=10\text{mA}$ )	$\lambda_{peak}$	700	nm
Wavelength at Dominate emission ( $I_F=10\text{mA}$ )	$\lambda_D$	660	nm
Spectral Line half-width ( $I_F=10\text{mA}$ )	$\Delta\lambda$	45	nm
Capacitance ( $V_F=0\text{V}$ , $f=1\text{MHz}$ )	$C$	40	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ( $I_F=10\text{mA}$ ) mcd		Wavelength nm $\lambda_P$	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XLHR53D	Red	GaP	Red Diffused	2	4.8	700	60 $^\circ$

**XLHR53D**



◆HR

