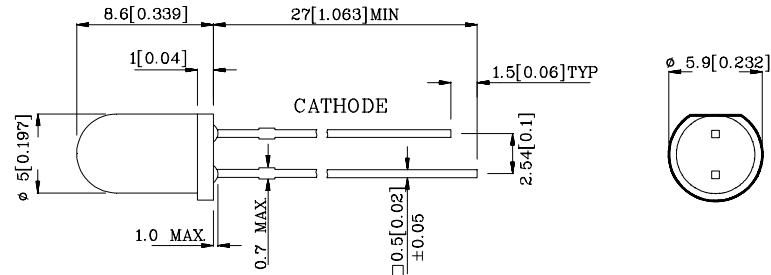


T-1 3/4 (5mm) SOLID STATE LAMP



SUN LED

LCB12WD



Notes:

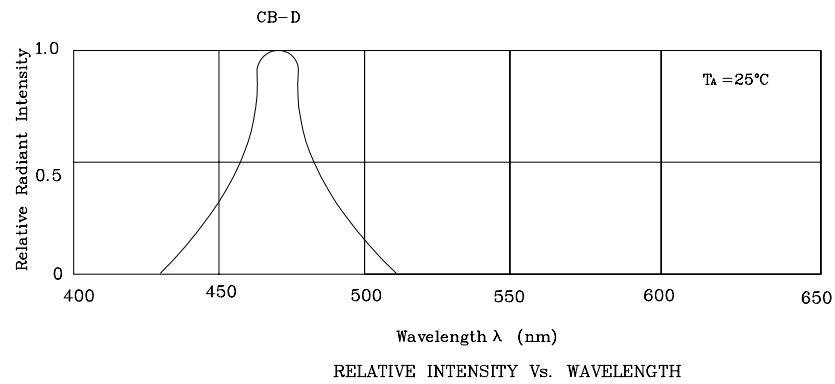
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.

Absolute maximum ratings (T _A =25°C)		CB-D (GaN)	Unit
Reverse voltage	V _R	5	V
Forward current	I _F	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i _{FS}	180	mA
Power dissipation	P _T	105	mW
Operation temperature	T _A	-40 ~ +85	°C
Storage temperature	T _{stg}		
Lead solder temperature [4mm below package base]		260°C For 5 Seconds	

Operating Characteristics ($T_A=25^\circ\text{C}$)		CB-D (GaN)	Unit
Forward voltage (typ.) ($I_F=20\text{mA}$)	V_F	3.5	V
Forward voltage (max.) ($I_F=20\text{mA}$)	V_F	4.0	V
Reverse current ($V_R=5\text{V}$)	I_R	10	μA
Wavelength at peak emission ($I_F=20\text{mA}$)	λ_{peak}	468	nm
Wavelength at Dominate emission ($I_F=20\text{mA}$)	λ_D	470	nm
Spectral Line half-width ($I_F=20\text{mA}$)	$\Delta\lambda$	25	nm
Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	100	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=20\text{mA}$) mcd		Wavelength nm λ_P	Viewing Angle
				min.	typ.		
LCB12WD	Blue	GaN	Water Clear	1200	2100	468	15 $^\circ$

LCB12WD



❖CB-D

