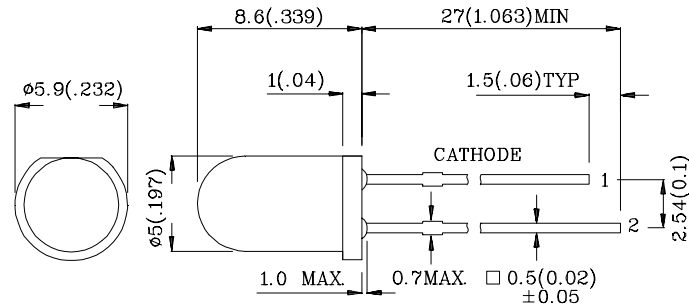


T-1 3/4 (5mm) SOLID STATE LAMP

LCW12MD



SUN LED



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)		CW (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 ($T_A=25^{\circ}\text{C}$)		CW (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
Chromaticity coordinates (typ.)	X	0.34	
	Y	0.35	
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 min. typ.		Viewing Angle
LCW12MD	White	GaN	White Diffused	1200	2000	30 $^{\circ}$

