

T-1 3/4 (5mm) VARIABLE HEIGHT LED BOARD INDICATOR

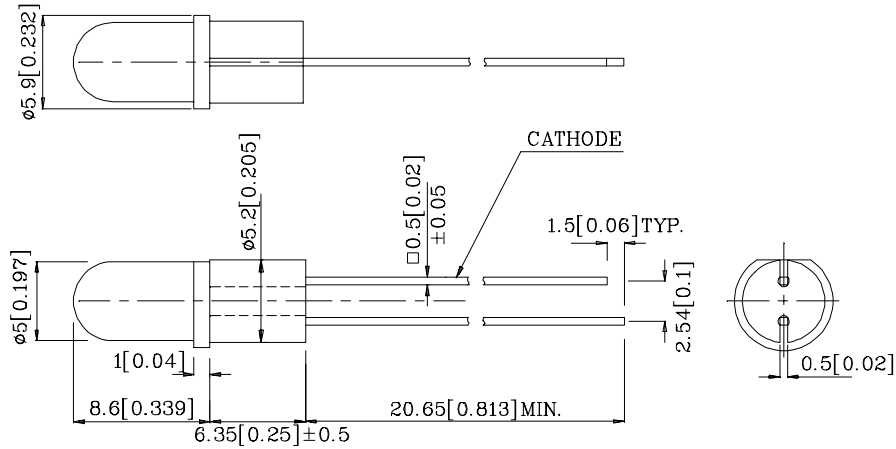


SUN LED

Email : sales@us.sunled.com

Web Site : www.sunled.com

XNM1LUG53D6.35



UL RATING : 94V-0.

HOUSING MATERIAL : TYPE 66 NYLON.

Notes:

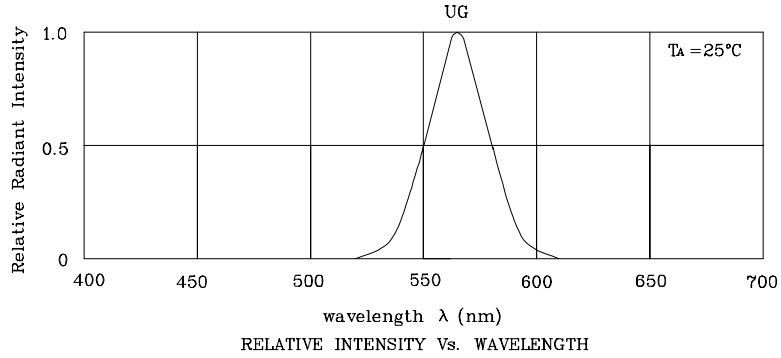
1. All dimensions are in millimeters (inches).
2. Tolerance is ± 0.25 (0.01") unless otherwise noted.

Absolute maximum ratings ($T_A=25^\circ\text{C}$)		UG (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}	140	mA
Power dissipation	P_T	105	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	

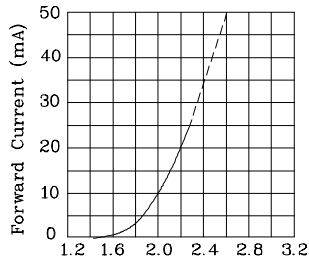
Operating Characteristics ($T_A=25^\circ\text{C}$)		UG (GaP)	Unit
Forward voltage (typ.) ($I_F=10\text{mA}$)	V_F	2.0	V
Forward voltage (max.) ($I_F=10\text{mA}$)	V_F	2.5	V
Reverse current ($V_R=5\text{V}$)	I_R	10	μA
Wavelength at peak emission ($I_F=10\text{mA}$)	λ_{peak}	565	nm
Wavelength at Dominate emission ($I_F=10\text{mA}$)	λ_D	568	nm
Spectral Line half-width ($I_F=10\text{mA}$)	$\Delta\lambda$	30	nm
Capacitance ($V_F=0\text{V}$, $f=1\text{MHz}$)	C	15	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity ($I_F=10\text{mA}$) mcd		Wavelength nm λ_P	Viewing Angle $2\theta_{1/2}$
				min.	typ.		
XNM1LUG53D6.35	Green	GaP	Green Diffused	5	18	565	60 $^\circ$

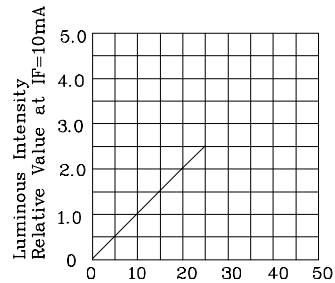
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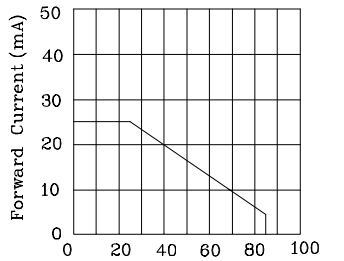
◆UG



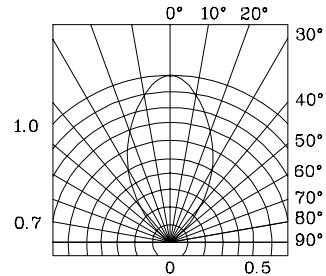
FORWARD CURRENT Vs.
FORWARD VOLTAGE



LUMINOUS INTENSITY Vs.
FORWARD CURRENT



FORWARD CURRENT
DERATING CURVE



SPATIAL DISTRIBUTION