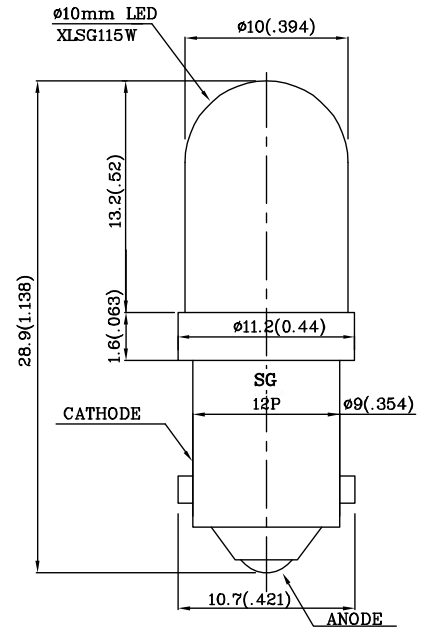


**Features**

- BUILT-IN CURRENT LIMITING RESISTOR FOR DIRECT APPLICATION OF DIFFERENT ACROSS CURRENT.
- LONG LIFE.
- LOW CURRENT, POWER SAVINGS.
- LOW MAINTENANCE.
- SOLID STATE, HIGH VIBRATION RESISTANT.
- 12V INTERNAL RESISTOR.
- RoHS COMPLIANT.

Notes:

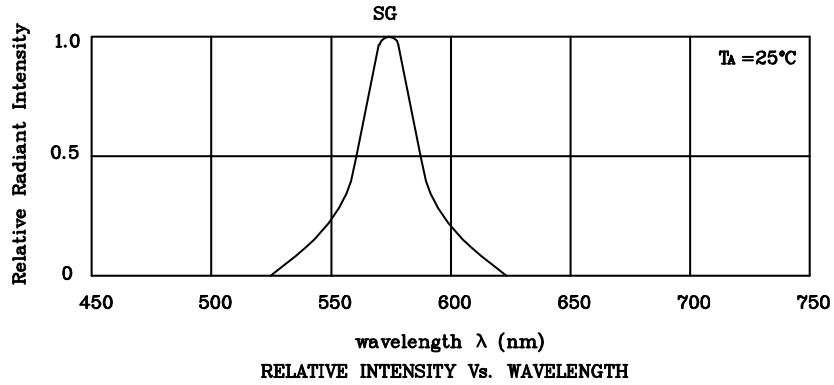
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$ " unless otherwise noted.



Absolute maximum ratings (TA=25°C)		SG (InGaAlP)	Unit
Reverse Voltage	V <sub>R</sub>	5	V
Forward Voltage	V <sub>F</sub>	14	V
Power Dissipation	P <sub>T</sub>	250	mW
Operating Temperature	T <sub>A</sub>	-40 ~ +70	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +85	

Operating Characteristics (TA=25°C)		SG (InGaAlP)	Unit
Forward Current (Typ.) (V <sub>F</sub> =12V)	I <sub>F</sub>	21	mA
Reverse Current (V <sub>R</sub> =5V)	I <sub>R</sub>	10	uA
Wavelength of Peak Emission (V <sub>F</sub> =12V)	λ <sub>P</sub>	574	nm
Wavelength of Dominant Emission (V <sub>F</sub> =12V)	λ <sub>D</sub>	568	nm
Spectral Line Full Width At Half-Maximum (V <sub>F</sub> =12V)	Δλ	26	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V=12V) mcd		Wavelength nm λ <sub>P</sub>	Viewing Angle 2θ 1/2
				min.	typ.		
XYSG101W12V	Green	InGaAlP	Water Clear	280	795	574	20°



❖ SG

