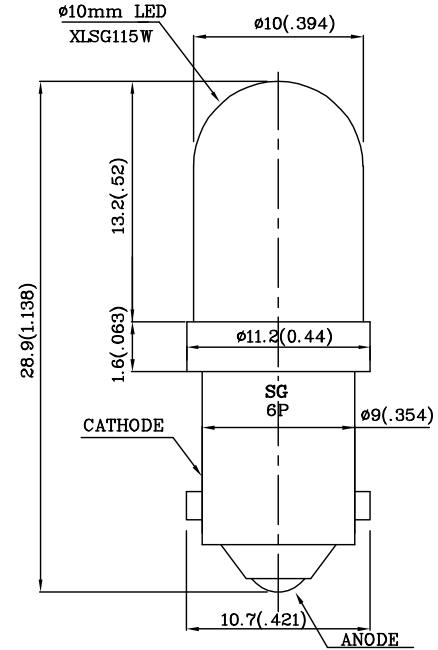


Features

- 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.
- 6V INTERNAL RESISTOR.
- RoHS COMPLIANT.

Notes:

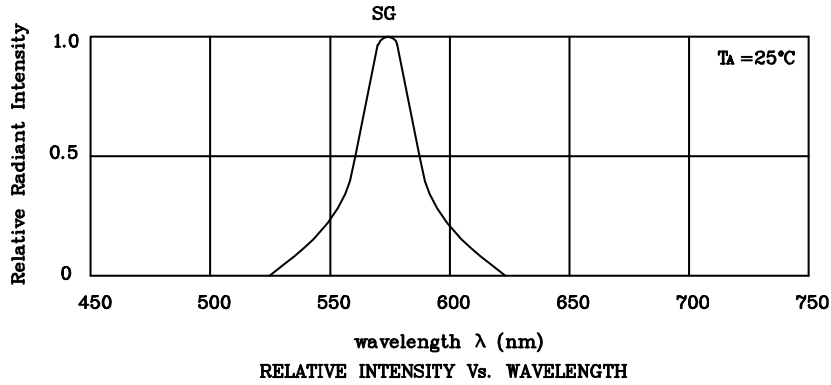
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01)$ " unless otherwise noted.



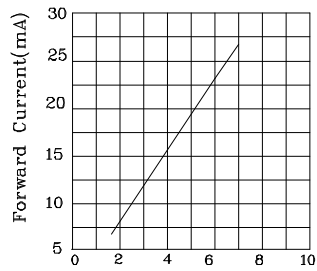
Absolute maximum ratings (TA=25°C)		SG (InGaAlP)	Unit
Reverse Voltage	VR	5	V
Forward Voltage	VF	7	V
Power Dissipation	PT	150	mW
Operating Temperature	TA	-40 ~ +70	°C
Storage Temperature	Tstg	-40 ~ +85	

Operating Characteristics (TA=25°C)		SG (InGaAlP)	Unit
Forward Current (Typ.) (VF=6V)	IF	23	mA
Reverse Current (VR=5V)	IR	10	uA
Wavelength of Peak Emission (VF=6V)	λP	574	nm
Wavelength of Dominant Emission (VF=6V)	λD	568	nm
Spectral Line Full Width At Half-Maximum (VF=6V)	$\Delta\lambda$	26	nm

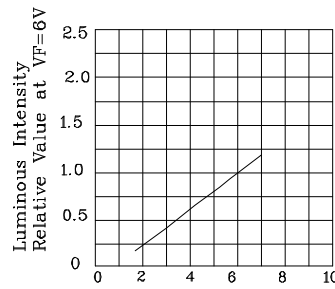
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V=6V) mcd		Wavelength nm λP	Viewing Angle $2\theta 1/2$
				min.	typ.		
XYSG101W6V	Green	InGaAlP	Water Clear	380	895	574	20°



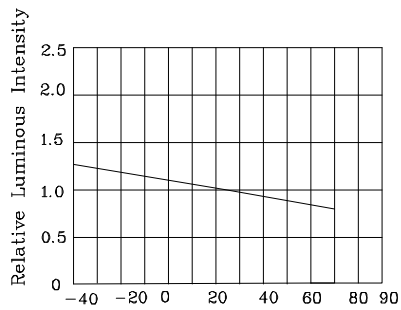
❖ SG



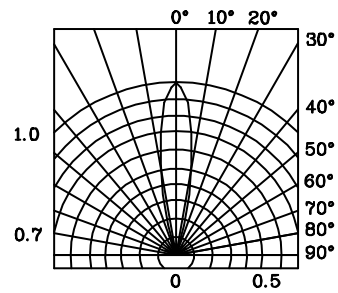
Forward Voltage(V)
 FORWARD VOLTAGE Vs
 FORWARD CURRENT



Forward Voltage(V)
 FORWARD VOLTAGE Vs.
 LUMINOUS INTENSITY



Ambient Temperature $T(^{\circ}\text{C})$
 LUMINOUS INTENSITY Vs.
 AMBIENT TEMPERATURE



SPATIAL DISTRIBUTION