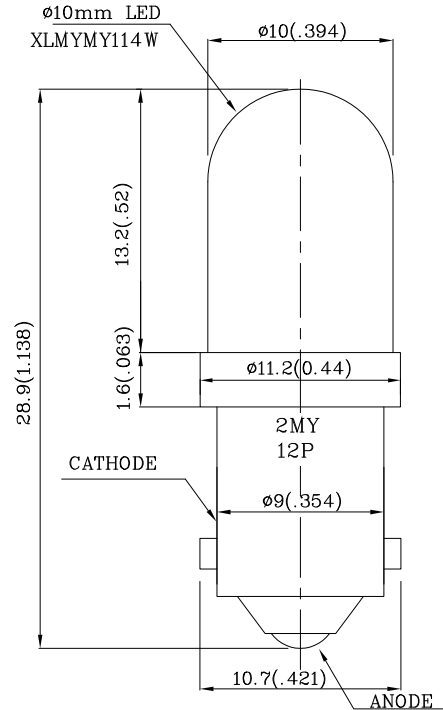


**Features**

- 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:

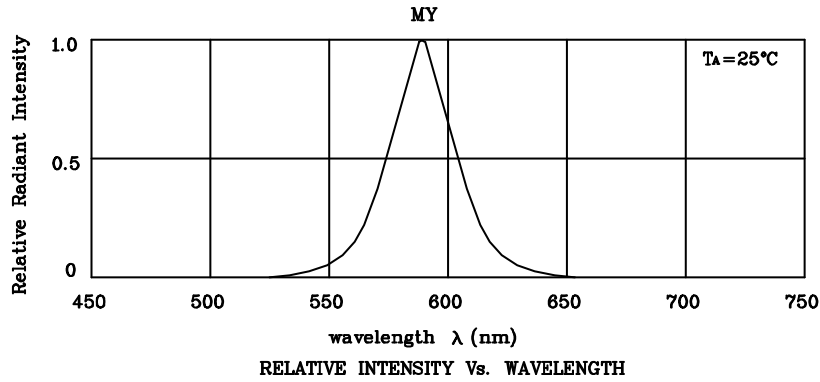
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01")$  unless otherwise noted.



Absolute maximum ratings (T <sub>A</sub> =25°C)		MY (InGaAlP)	Unit
Reverse Voltage	V <sub>R</sub>	5	V
Forward Voltage	V <sub>F</sub>	14	V
Power Dissipation	P <sub>T</sub>	300	mW
Operating Temperature	T <sub>A</sub>	-40 ~ +70	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +85	

Operating Characteristics (T <sub>A</sub> =25°C)		MY (InGaAlP)	Unit
Forward current (Typ.) (V <sub>F</sub> =12V)	I <sub>F</sub>	19	mA
Forward Current (Max.) (V <sub>F</sub> =12V)	I <sub>F</sub>	25	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>	590	nm
Wavelength of Dominant Emission (V <sub>F</sub> =12V)	λ <sub>D</sub>	588	nm
Spectral Line Full Width At Half-Maximum (V <sub>F</sub> =12V)	Δλ	28	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V=12V) mcd		Wavelength nm λ P	Viewing Angle 2θ 1/2
				min.	typ.		
XYMY102W12V	Yellow	InGaAlP	Water Clear	480	1195	590	40°
Published Date :MAY 28,2005      Drawing No : XDSA2981      V3      Checked : B.L.LIU      P.1/2							



❖ MY

