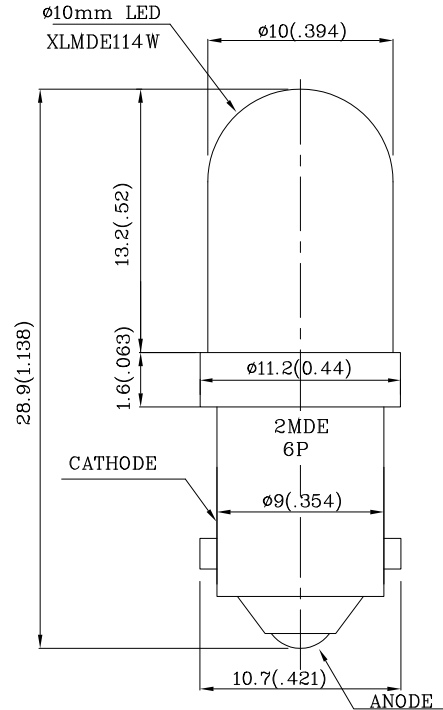


**Features**

- 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:

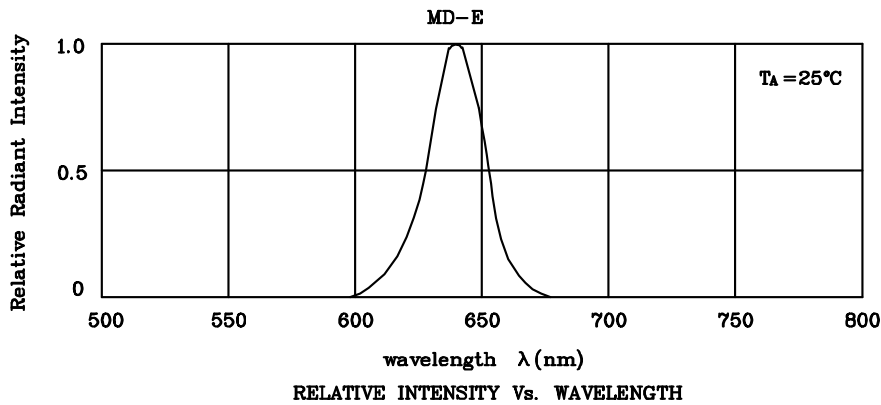
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$ " unless otherwise noted.



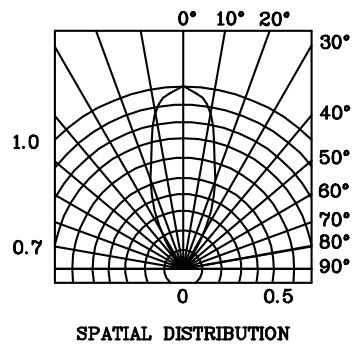
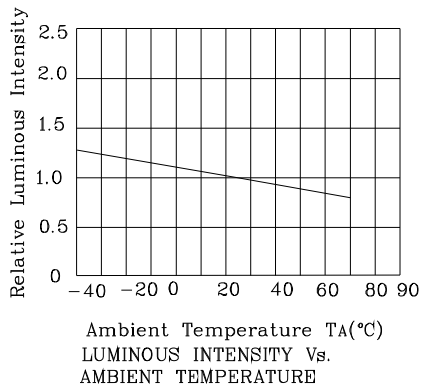
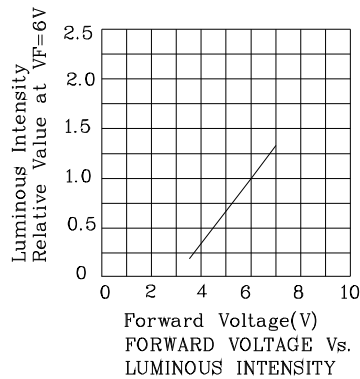
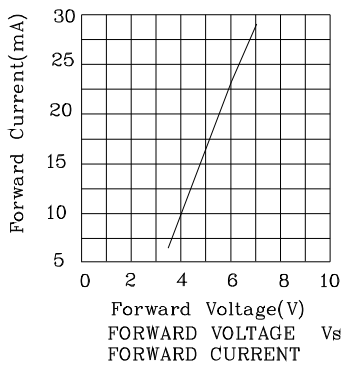
Absolute maximum ratings (TA=25°C)		MD-E (InGaAlP)	Unit
Reverse Voltage	VR	5	V
Forward Voltage	VF	7	V
Power Dissipation	PT	180	mW
Operating Temperature	TA	-40 ~ +70	°C
Storage Temperature	Tstg	-40 ~ +85	

Operating Characteristics (TA=25°C)		MD-E (InGaAlP)	Unit
Forward Current (Typ.) (VF=6V)	IF	23	mA
Reverse Current (VR=5V)	IR	10	uA
Wavelength of Peak Emission (VF=6V)	$\lambda_p$	640	nm
Wavelength of Dominant Emission (VF=6V)	$\lambda_D$	630	nm
Spectral Line Full Width At Half-Maximum (VF=6V)	$\Delta\lambda$	25	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V=6V) mcd		Wavelength nm $\lambda_P$	Viewing Angle 2 $\theta$ 1/2
				min.	typ.		
XYMDE102W6V	Red	InGaAlP	Water Clear	900	2190	640	40°



❖ MD-E



Remarks:

If special sorting is required (e.g. binning based on luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous Intensity: +/-15%

Note: Accuracy may depend on the sorting parameters.