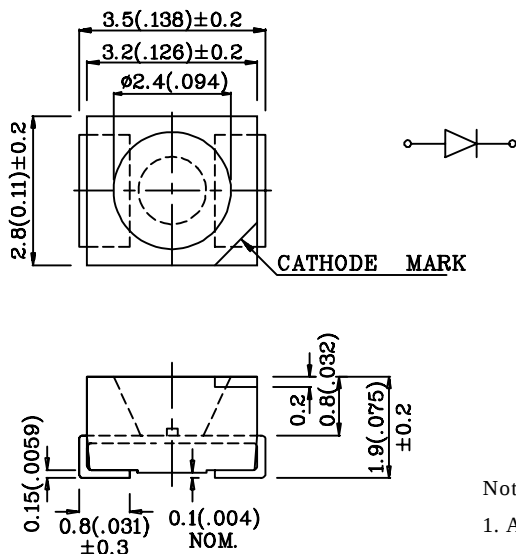


3.5x2.8mm SMD CHIP LED LAMP

ZMO45W



SUN LED



Notes:

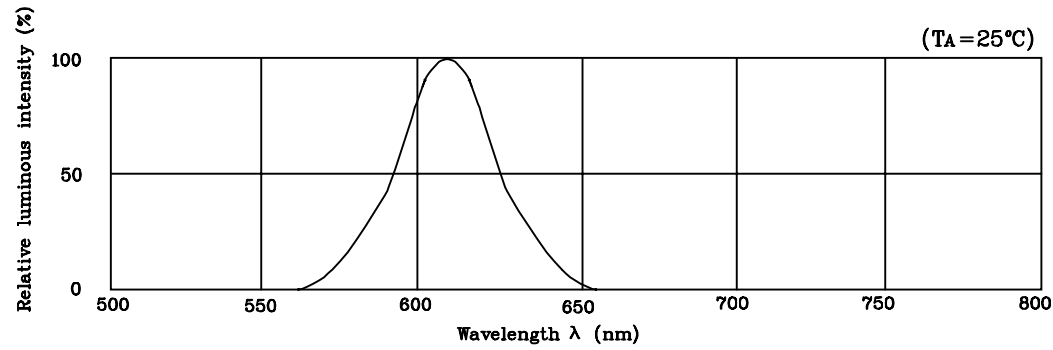
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.

Absolute maximum ratings (T _A =25°C)		MO (InGaAlP)	Unit
Reverse voltage	V _R	5	V
Forward current	I _F	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i _{FS}	150	mA
Power dissipation	P _T	75	mW
Operation temperature	T _A	-40 ~ +85	°C
Storage temperature	T _{stg}		

Operating Characteristics (T _A =25°C)		MO (InGaAlP)	Unit
Forward voltage (typ.) (I _F =20mA)	V _F	1.95	V
Forward voltage (max.) (I _F =20mA)	V _F	2.5	V
Reverse current (V _R =5V)	I _R	10	uA
Wavelength at peak emission (I _F =20mA)	λ _{peak}	610	nm
Spectral Line half-width (I _F =20mA)	Δλ	15	nm
Capacitance (V _F =0, f=1MHz)	C	40	pF

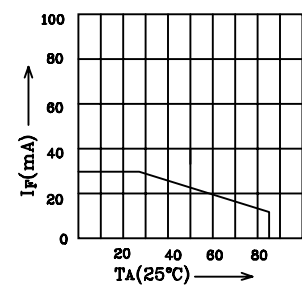
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I _F =20mA) mcd		Wavelength nm	Viewing Angle
				min.	max.		
ZMO45W	orange	InGaAlP	water clear	100	400	610	120°

ZMO45W

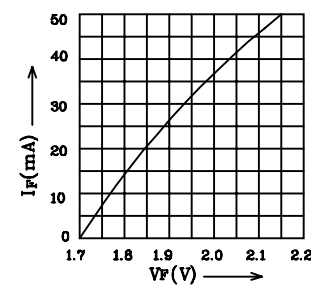


❖MO

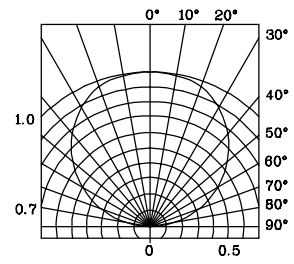
Forward current derating curve



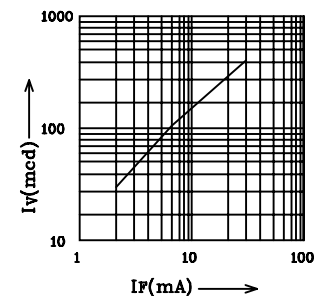
Forward Current Vs. Forward Voltage



Radiation Characteristics

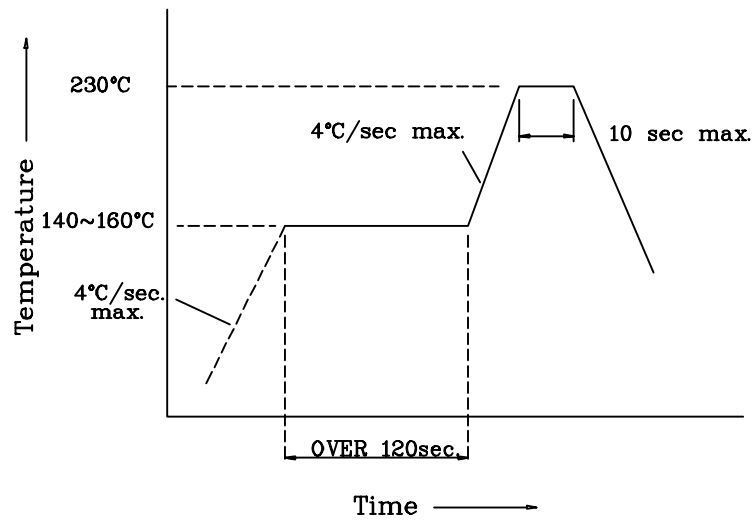


Luminous Intensity Vs. Forward Current



ZMO45W

❖SMT Reflow Soldering Instructions



❖Recommended Soldering Pattern (Units : mm)

