

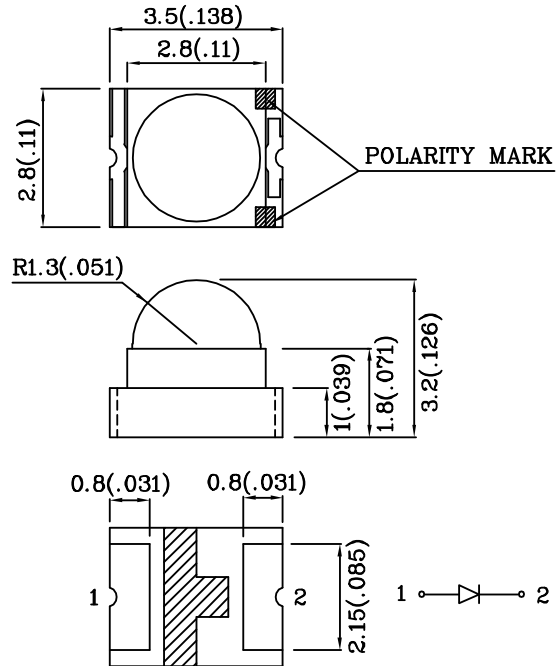
PRELIMINARY SPEC

Features

- SINGLE COLOR.
- SUITABLE FOR ALL SMT ASSEMBLY AND SOLDER PROCESS.
- IDEAL FOR BACKLIGHTING.
- AVAILABLE ON TAPE AND REEL.
- PACKAGE : 500PCS / REEL.
- LOW CURRENT IF=2mA OPERATING.
- RoHS COMPLIANT.

Notes:

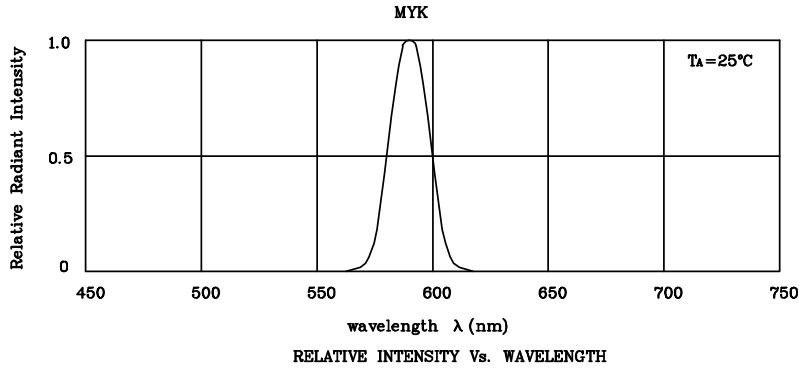
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.2(0.008)$ " unless otherwise noted.



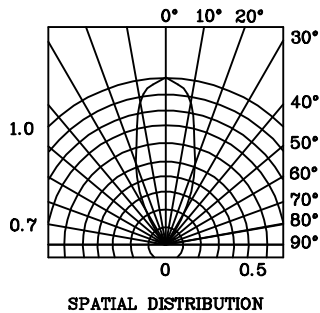
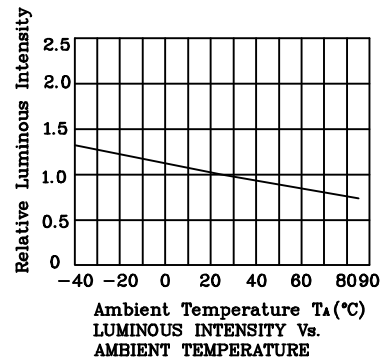
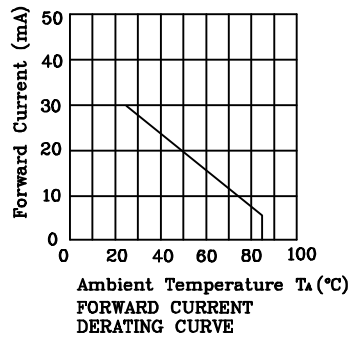
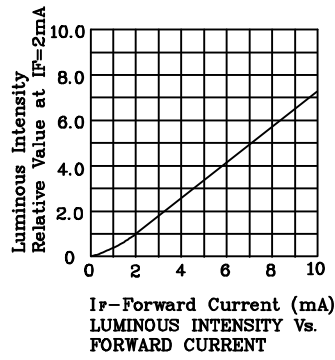
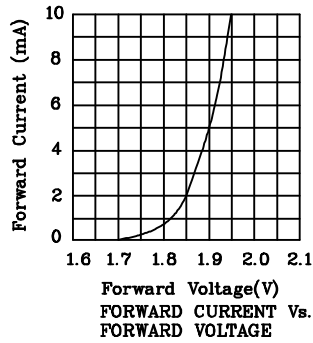
Absolute Maximum Ratings (TA=25°C)		MYK (InGaAlP)	Unit
Reverse Voltage	V _R	5	V
Forward Current	I _F	30	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	i _{FS}	175	mA
Power Dissipation	P _T	125	mW
Operating Temperature	T _A	-40 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +85	

Operating Characteristics (TA=25°C)		MYK (InGaAlP)	Unit
Forward Voltage (Typ.) (I _F =2mA)	V _F	1.85	V
Forward Voltage (Max.) (I _F =2mA)	V _F	2.5	V
Reverse Current (V _R =5V)	I _R	10	uA
Wavelength of Peak Emission (I _F =2mA)	λ _P	590	nm
Wavelength of Dominant Emission (I _F =2mA)	λ _D	590	nm
Spectral Line Full Width At Half-Maximum (I _F =2mA)	Δλ	20	nm
Capacitance (V _F =0V, f=1MHz)	C	20	pF

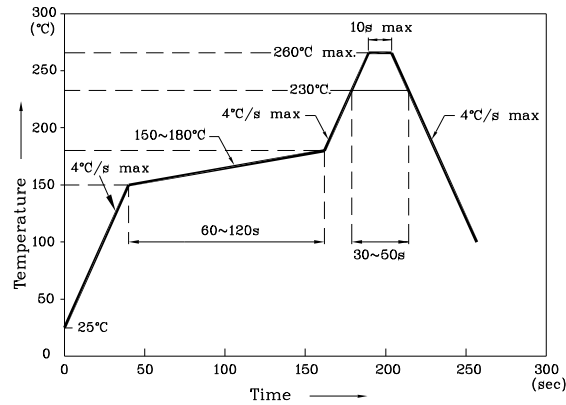
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I _F =2mA) med		Wavelength nm λ _P	Viewing Angle 2 θ 1/2
				min.	typ.		
XZCMYK45W-2	Yellow	InGaAlP	Water Clear	7	19	590	40°
Published Date : DEC 08, 2005 Drawing No : XDSA6115 V2 Checked : B.LLIU P.1/3							



◆ MYK



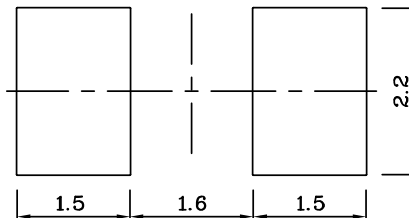
Reflow Soldering Profile For Lead-free SMT Process.



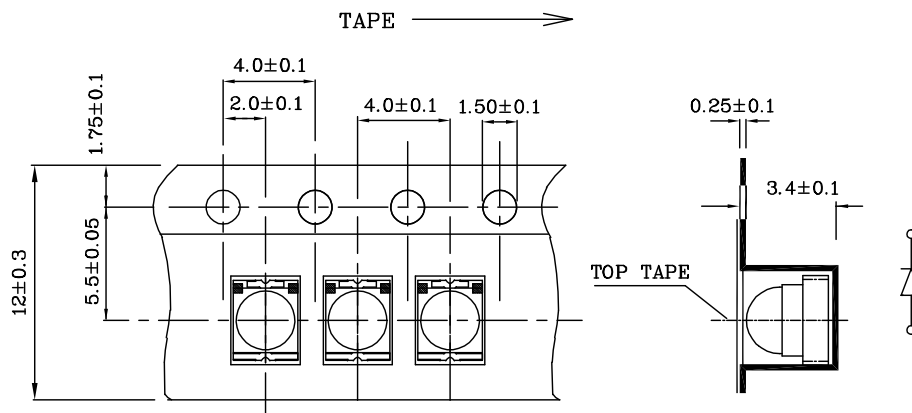
Notes:

1. Maximum soldering temperature should not exceed 260°C.
2. Recommended reflow temperature: 145°C-260°C.
3. Do not put stress to the epoxy resin during high temperatures conditions.

❖ Recommended Soldering Pattern (Units: mm ; Tolerance: ± 0.1)



❖ Tape Specification (Units : mm)



Remarks:

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

1. Wavelength: +/-1nm
2. Luminous Intensity / Luminous Flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.