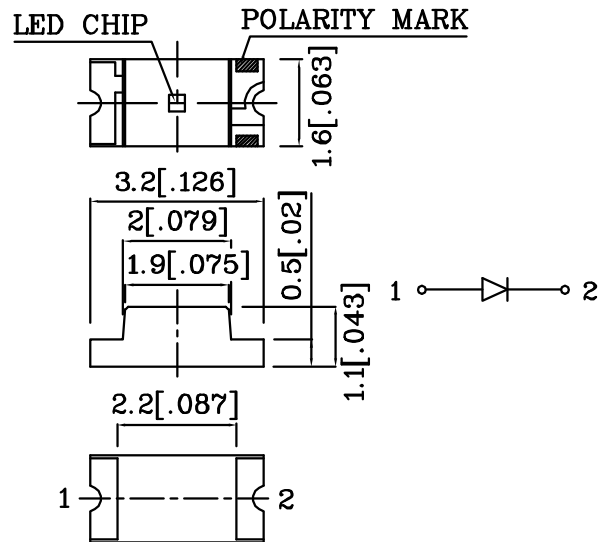


### Features

- 3.2X1.6mm SMT LED, 1.1mm THICKNESS.
- LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- IDEAL FOR BACKLIGHT AND INDICATOR.
- VARIOUS COLORS AND LENS TYPES AVAILABLE.
- PACKAGE: 2000PCS / REEL .

### Notes:

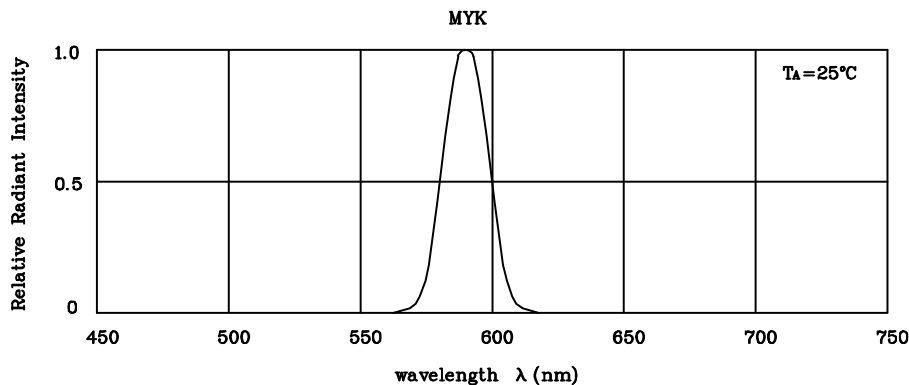
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.2(0.008)$  unless otherwise noted.



Absolute maximum ratings (TA=25°C)		MYK (InGaAIP)	Unit
Reverse voltage	V <sub>R</sub>	5	V
Forward current	I <sub>F</sub>	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	i <sub>FS</sub>	175	mA
Power dissipation	P <sub>T</sub>	125	mW
Operating temperature	T <sub>A</sub>	-40 ~ +85	°C
Storage temperature	T <sub>stg</sub>	-40 ~ +85	

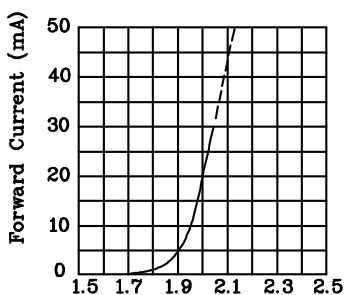
Operating Characteristics (TA=25°C)		MYK (InGaAIP)	Unit
Forward voltage (typ.) (I <sub>F</sub> =20mA)	V <sub>F</sub>	2.0	V
Forward voltage (max.) (I <sub>F</sub> =20mA)	V <sub>F</sub>	2.5	V
Reverse current (V <sub>R</sub> =5V)	I <sub>R</sub>	10	uA
Wavelength at peak emission (I <sub>F</sub> =20mA)	λ peak	590	nm
Wavelength at Dominate emission (I <sub>F</sub> =20mA)	λ D	590	nm
Spectral Line half-width (I <sub>F</sub> =20mA)	Δλ	20	nm
Capacitance (V <sub>F</sub> =0V, f=1MHz)	C	20	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (I <sub>F</sub> =20mA) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XZMYK55W-4	Yellow	InGaAIP	Water Clear	18	48	590	120°
Published Date : JUL 28,2003      Drawing No :XDSA1392      V4      Checked : B.L.LIU      P.1/3							

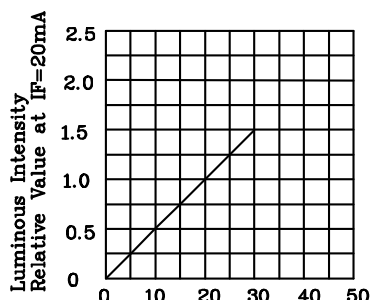


RELATIVE INTENSITY Vs. WAVELENGTH

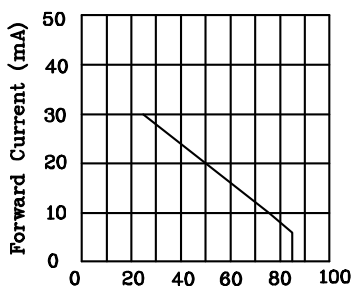
❖ MYK



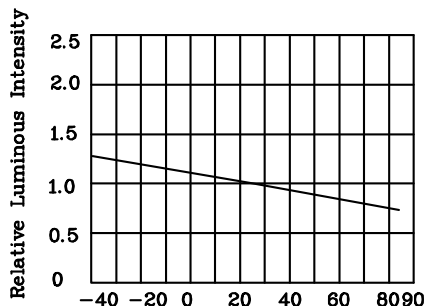
FORWARD CURRENT Vs. FORWARD VOLTAGE



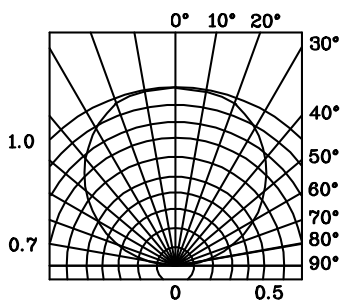
LUMINOUS INTENSITY Vs. FORWARD CURRENT



FORWARD CURRENT DERATING CURVE

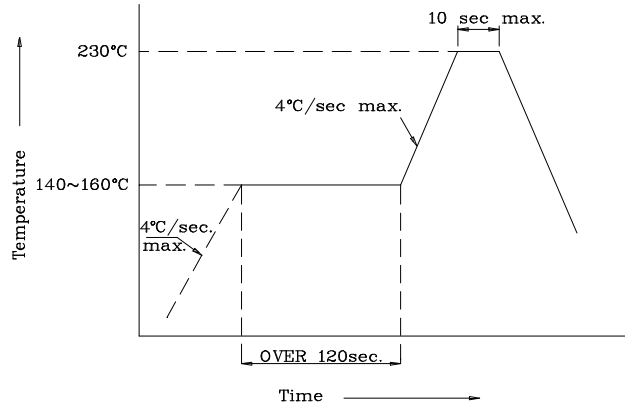


LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE

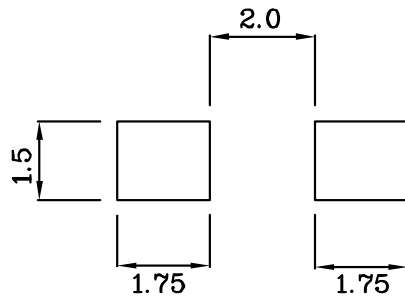


SPATIAL DISTRIBUTION

❖ SMT Reflow Soldering Instructions



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



❖ Tape Specification (Units : mm)

