SunLED
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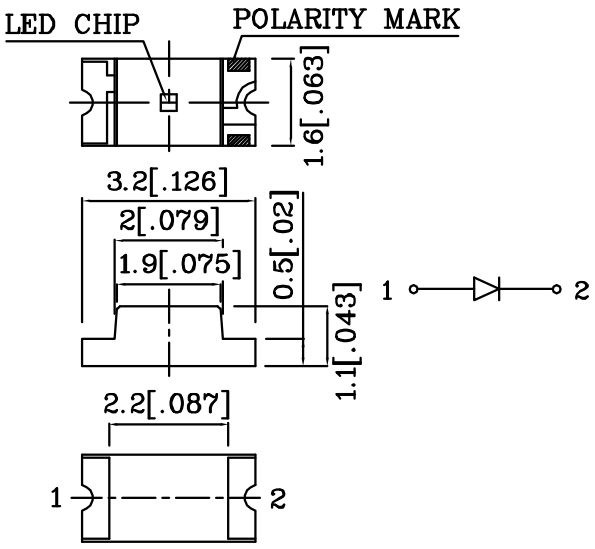
part number: **XZMYK55W-4**

3.2X1.6mm SMD CHIP LED LAMP

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 .



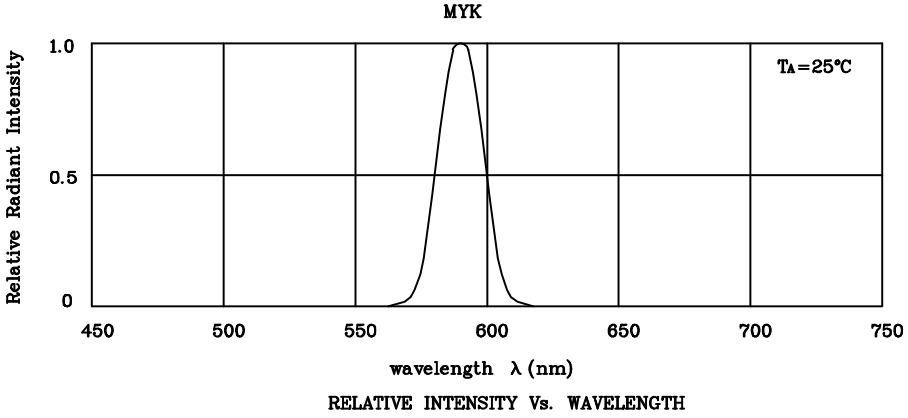
Notes:

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

Absolute maximum ratings (T_A=25°C)		**MYK (InGaAIP)**	**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}	175	mA
Power dissipation	P_T	125	mW
Operating temperature	T_A	-40 ~ +85	°C
Storage temperature	Tstg	-40 ~ +85	

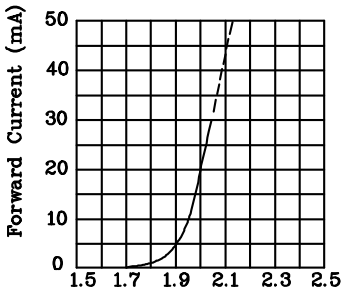
Operating Characteristics (T_A=25°C)		**MYK (InGaAIP)**	**Unit**
Forward voltage (typ.) (I_F=20mA)	V_F	2.0	V
Forward voltage (max.) (I_F=20mA)	V_F	2.5	V
Reverse current (V_R=5V)	I_R	10	uA
Wavelength at peak emission (I_F=20mA)	λ peak	590	nm
Wavelength at Dominate emission (I_F=20mA)	λ D	590	nm
Spectral Line half-width (I_F=20mA)	Δλ	20	nm
Capacitance (V_F=0V, f=1MHz)	C	20	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XZMYK55W-4	Yellow	InGaAIP	Water Clear	18	48	590	120°

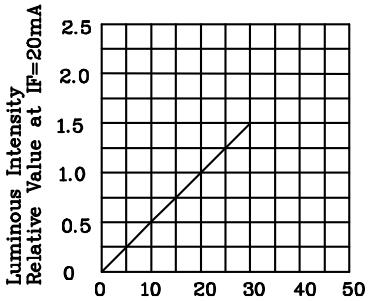


RELATIVE INTENSITY Vs. WAVELENGTH

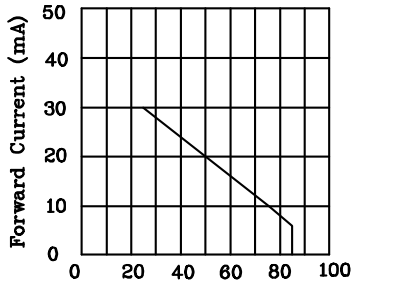
❖ **MYK**



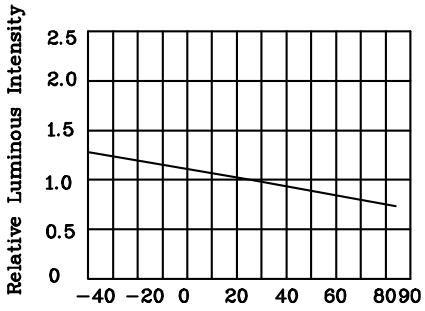
FORWARD CURRENT Vs.
FORWARD VOLTAGE



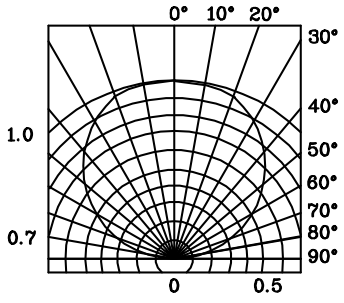
LUMINOUS INTENSITY Vs.
FORWARD CURRENT



FORWARD CURRENT
DERATING CURVE

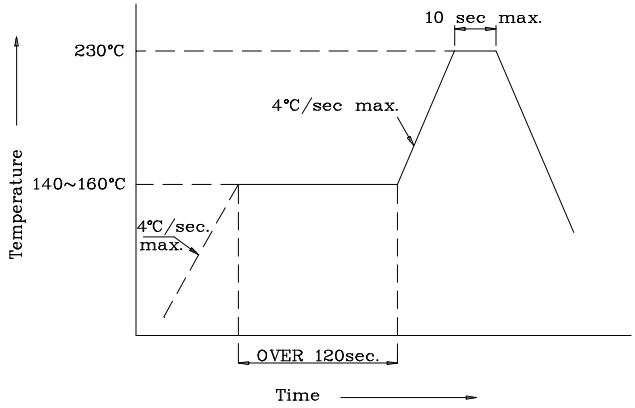


LUMINOUS INTENSITY Vs.
AMBIENT TEMPERATURE

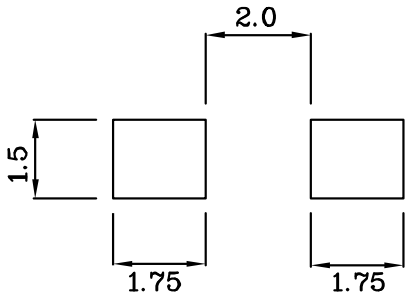


SPATIAL DISTRIBUTION

❖ **SMT Reflow Soldering Instructions**



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



❖ **Tape Specification (Units : mm)**