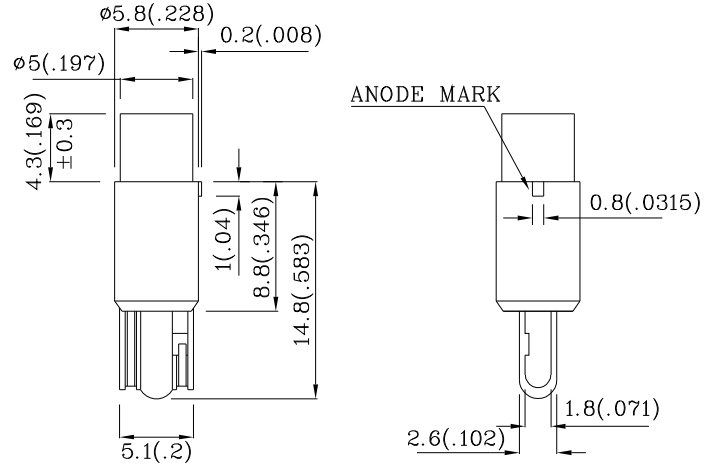


PRELIMINARY SPEC

**Features**

- LONG LIFE, SOLID STATE.
- WITH BUILT-IN RESISTOR FOR 24V DC APPLICATION.
- WEDGE BASE, EASY INSTALLATION & REPLACEMENT.
- UL RATING : 94V-0.
- HOUSING MATERIAL: TYPE 66 NYLON.
- 24V INTERNAL RESISTOR.
- RoHS COMPLIANT.



Notes:

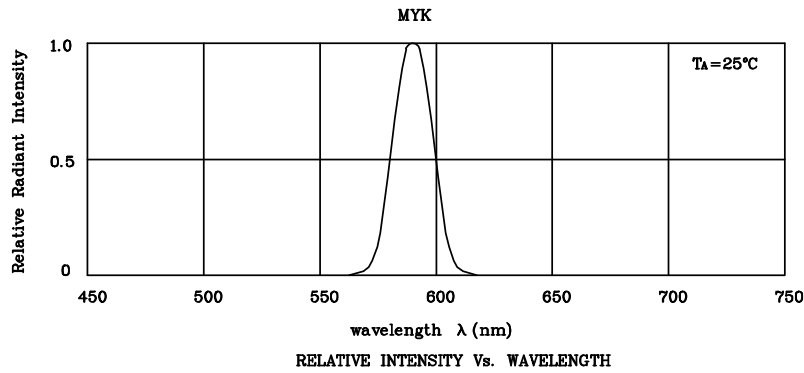
1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25(0.01)$  unless otherwise noted.

Absolute Maximum Ratings (TA=25°C)		MYK (InGaAlP)	Unit
Reverse Voltage	V <sub>R</sub>	5	V
Forward Voltage	V <sub>F</sub>	26	V
Power Dissipation	P <sub>T</sub>	135	mW
Operating Temperature	T <sub>A</sub>	-40 ~ +70	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +85	°C
Lead Solder Temperature [2mm Below Package Base]	260°C For 3 Seconds		
Lead Solder Temperature [5mm Below Package Base]	260°C For 5 Seconds		

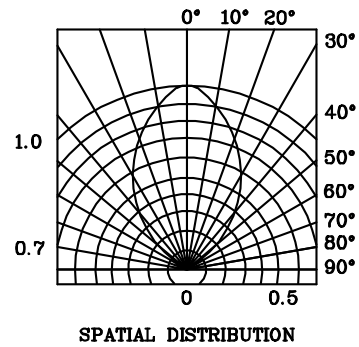
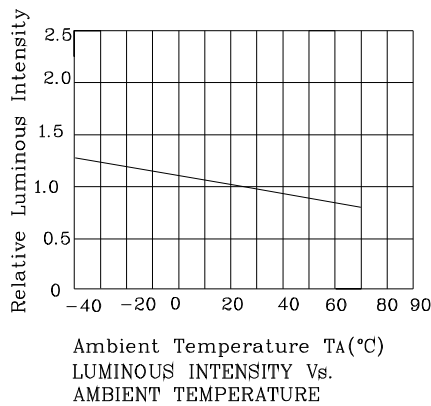
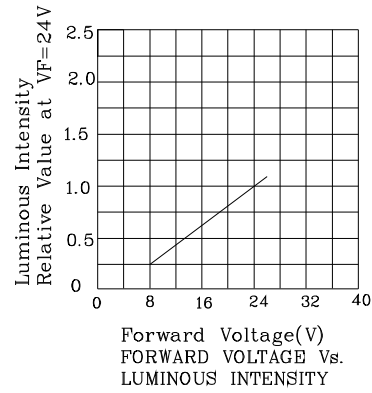
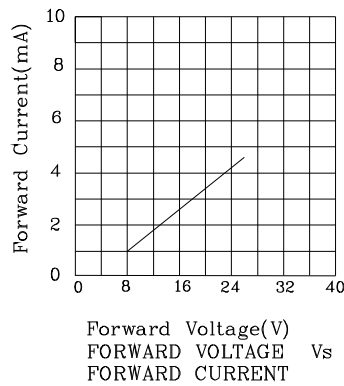
Operating Characteristics (TA=25°C)		MYK (InGaAlP)	Unit
Forward Current (Typ.) (V <sub>F</sub> =24V)	I <sub>F</sub>	4.2	mA
Forward Current (Max.) (V <sub>F</sub> =24V)	I <sub>F</sub>	6.0	mA
Reverse Current (Max.) (V <sub>R</sub> =5V)	I <sub>R</sub>	10	uA
Wavelength of Peak Emission (Typ.) (V <sub>F</sub> =24V)	$\lambda$ P	590	nm
Wavelength of Dominant Emission (Typ.) (V <sub>F</sub> =24V)	$\lambda$ D	590	nm
Spectral Line Full Width At Half-Maximum (Typ.) (V <sub>F</sub> =24V)	$\Delta\lambda$	20	nm

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (V=24V) mcd	Wavelength nm $\lambda$ P	Viewing Angle 2 $\theta$ 1/2
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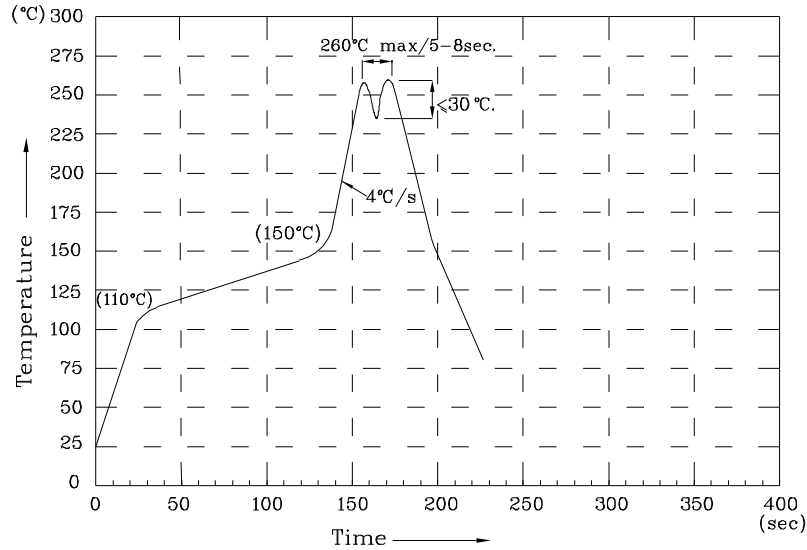
				min.	typ.		
XNZSMYK52W24V02	Yellow	InGaAlP	Water Clear	12	44	590	70°



❖ MYK



Wave Soldering Profile For Lead-free Through-hole LED.



NOTES:

- 1.Recommend the wave temperature 245°C~260°C.The maximum soldering temperature should be less than 260°C.
- 2.Do not apply stress on epoxy resins when temperature is over 85 degree°C.
- 3.The soldering profile apply to the lead free soldering (Sn/Cu/Ag alloy).
- 4.No more than once.

Remarks:

If special sorting is required (e.g. binning based on 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%

Note: Accuracy may depend on the sorting parameters.