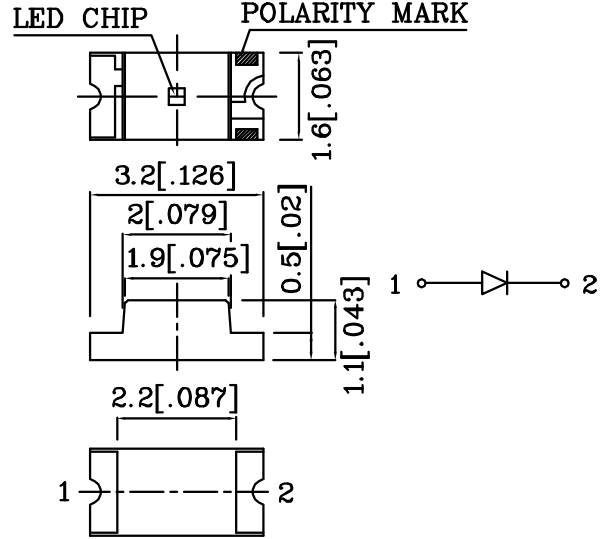


Features

- 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:

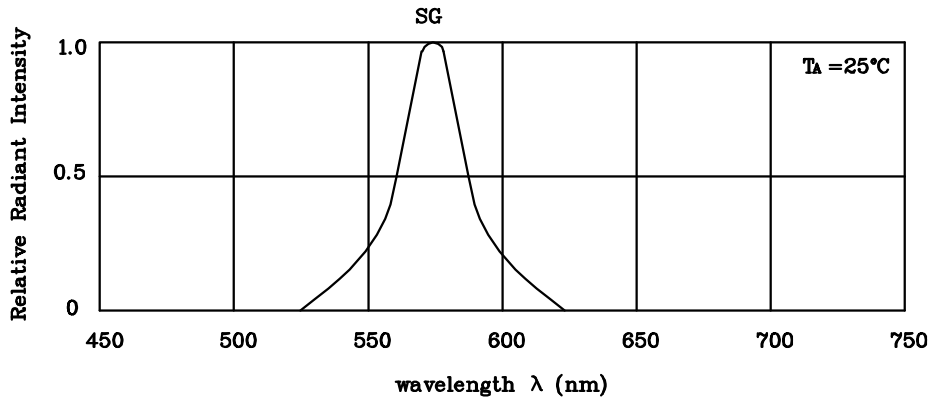
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.2(0.008")$ unless otherwise noted.



Absolute maximum ratings (TA=25°C)		SG (InGaAlP)	Unit
Reverse voltage	VR	5	V
Forward current	IF	30	mA
Forward current (peak) 1/10Duty cycle 0.1ms pulse width	iFS	150	mA
Power dissipation	PT	105	mW
Operating temperature	TA	-40 ~ +85	°C
Storage temperature	Tstg	-40 ~ +85	

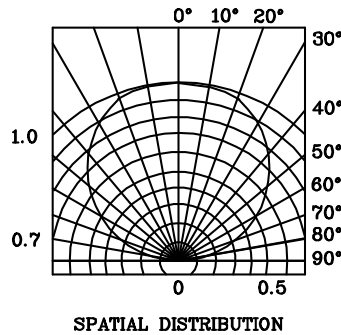
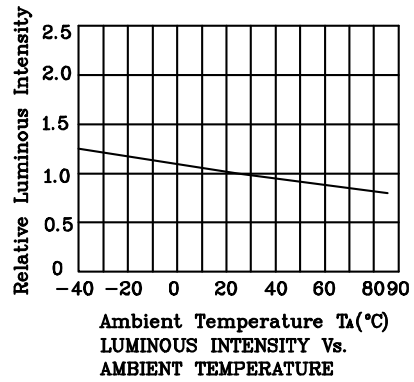
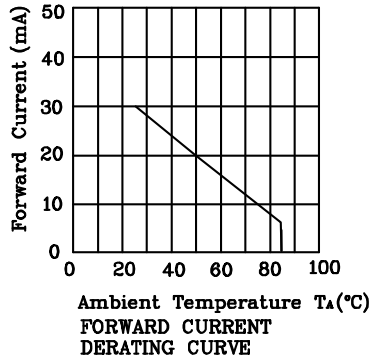
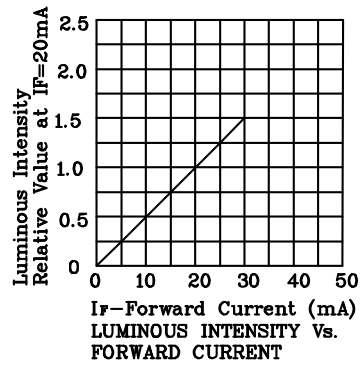
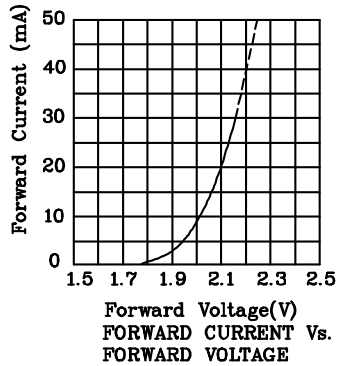
Operating Characteristics (TA=25°C)		SG (InGaAlP)	Unit
Forward voltage (typ.) (IF=20mA)	VF	2.1	V
Forward voltage (max.) (IF=20mA)	VF	2.5	V
Reverse current (VR=5V)	IR	10	uA
Wavelength at peak emission (IF=20mA)	λ peak	574	nm
Wavelength at Dominate emission (IF=20mA)	λ D	568	nm
Spectral Line half-width (IF=20mA)	$\Delta\lambda$	26	nm
Capacitance (VF=0V, f=1MHz)	C	20	pF

Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) med		Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.		
XZSG55W-4	Green	InGaAlP	Water Clear	18	69	574	120°
Published Date : JUL 28,2003				Drawing No :XDSA1387		V4	Checked : B.L.LIU P.1/3

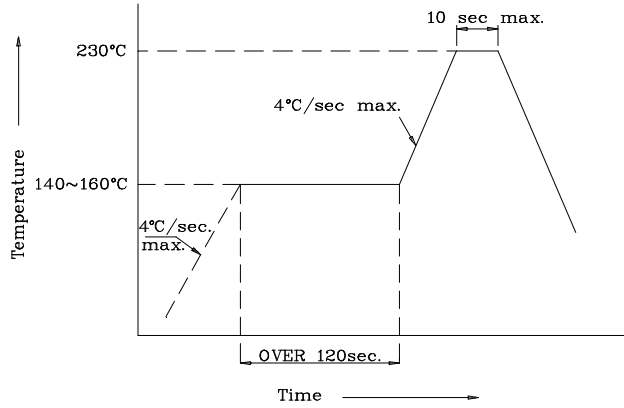


RELATIVE INTENSITY Vs. WAVELENGTH

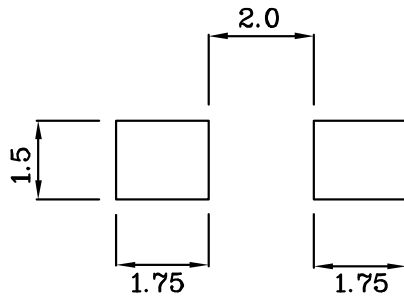
❖ SG



❖ SMT Reflow Soldering Instructions



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



❖ Tape Specification (Units : mm)

