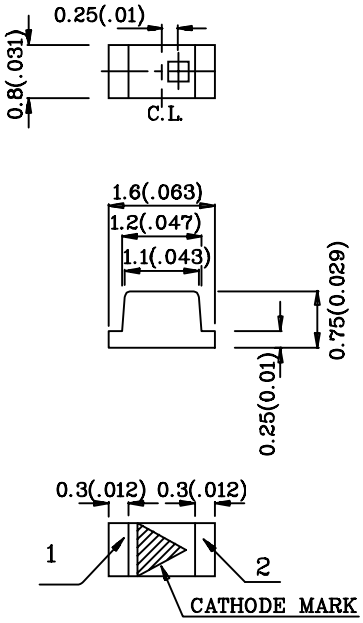
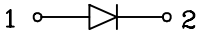
1.6x0.8mm SMD CHIP LED LAMP

SUN LED

ZMY53W-01





Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.1(0.004") unless otherwise noted.

Absolute maximum ratings (T_A=25°C)		**MY** (InGaAlP)	**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}	150	mA
Power dissipation	P_T	125	mW
Operation Temperature	T_A	-40 ~ +85	°C
Storage Temperature	Tstg		

Operating Characteristics (T_A=25°C)		**MY** (InGaAlP)	**Unit**
Forward voltage (typ.) (IF=20mA)	V_F	2.0	V
Forward voltage (max.) (IF=20mA)	V_F	2.4	V
Reverse current (VR=5V)	I_R	10	uA
Wavelength at peak emission (IF=20mA)	λpeak	590	nm
Spectral Line half-width (IF=20mA)	Δλ	20	nm
Capacitance (VF=0, f=1MHz)	C	33	pF

Part Number	**Emitting** Color	**Emitting** Material	**Lens-color**	**Luminous** Intensity (IF=20mA) mcd min.	typ.	**Wavelength** nm	**Viewing** Angle
ZMY53W-01	yellow	InGaAlP	water clear	40	60	590	120°

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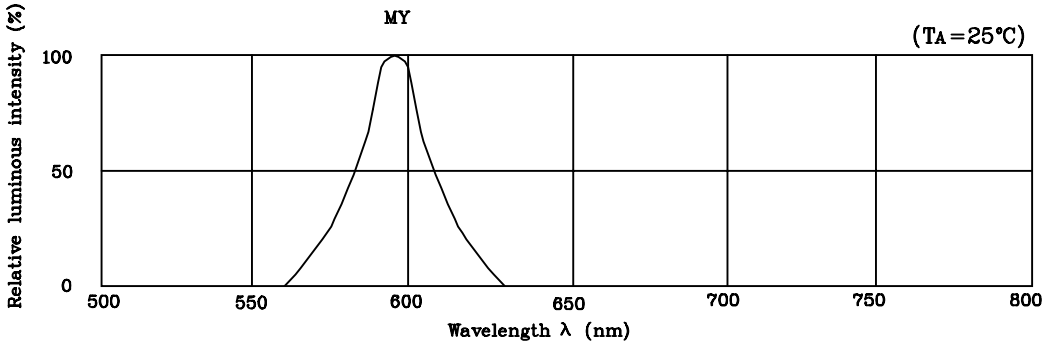
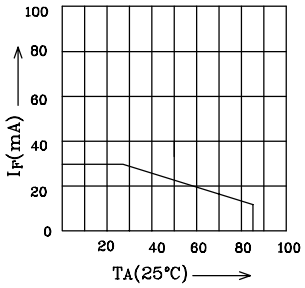
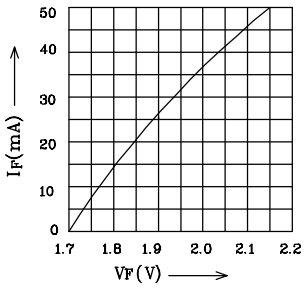


❖**MY**

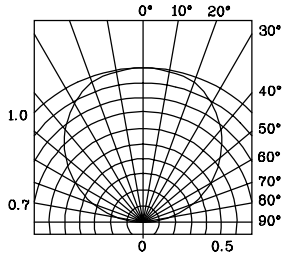
Forward current derating curve



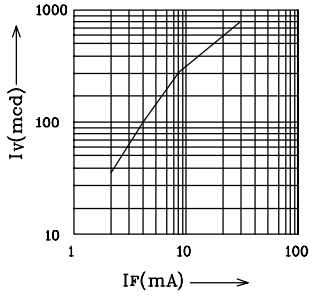
Forward current Vs. Forward voltage



Radiation Characteristics



Luminous intensity Vs. Forward current



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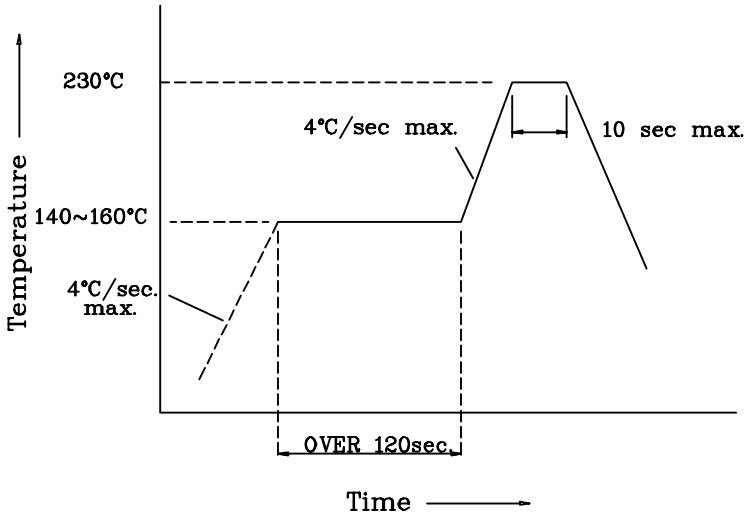
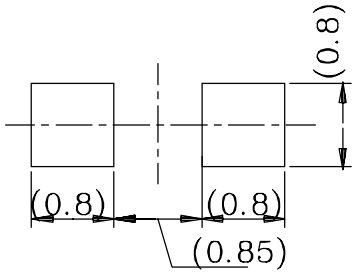
❖SMT Reflow Soldering Instructions



❖Recommended Soldering Pattern (Units : mm)



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❖Tape Specification (Units : mm)