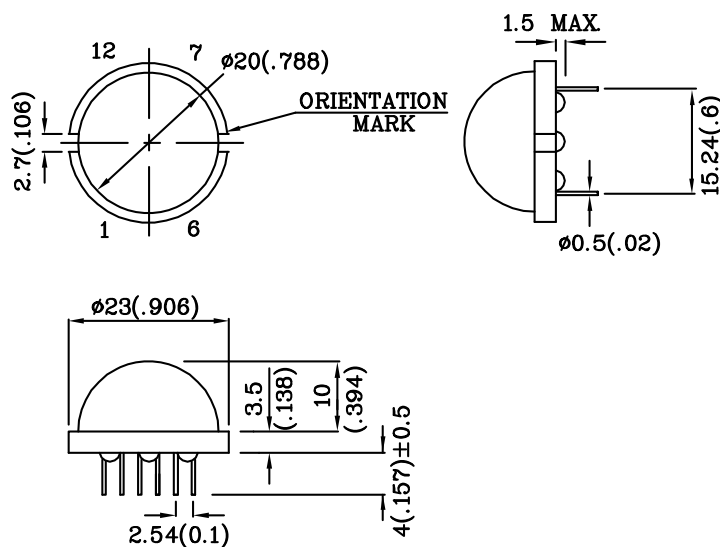
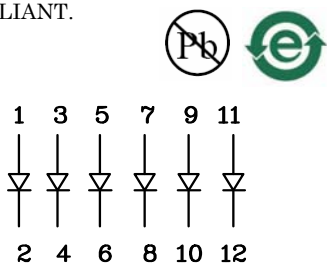


Features

- 12 PINS.
- HIGH LUMINOUS INTENSITY.
- LOW POWER CONSUMPTION.
- WIDE VIEWING ANGLE.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- EXCELLENT ON/OFF CONTRAST.
- EASY MOUNTING ON P.C. BOARD OR SOCKETS.
- SOLID STATE RELIABILITY.
- RoHS COMPLIANT.



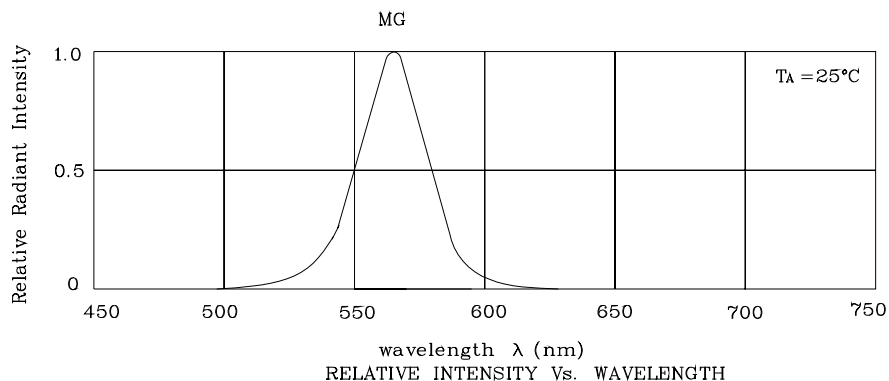
Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Specifications are subject to change without notice.

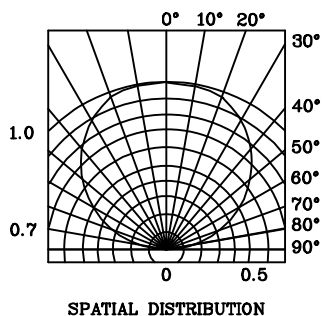
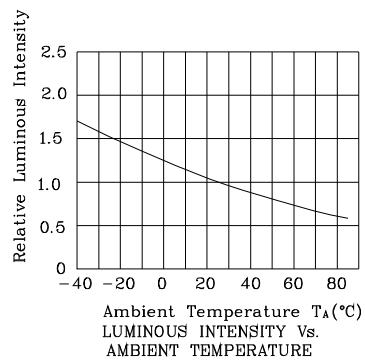
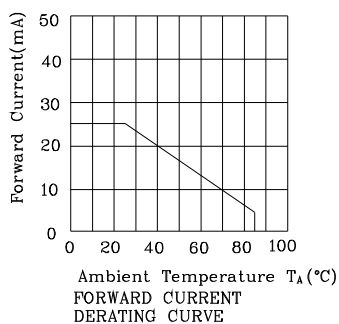
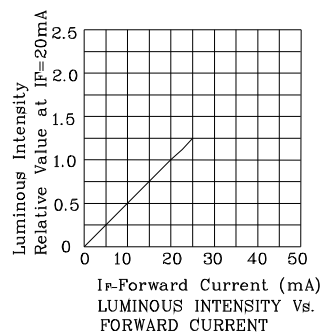
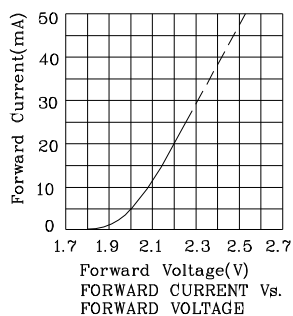
Absolute Maximum Ratings (TA=25°C)		MG (GaP)	Unit
Reverse Voltage	VR	5	V
Forward Current	IF	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	140	mA
Power Dissipation	PT	62.5	mW
Operating Temperature	TA	-40 ~ +85	°C
Storage Temperature	Tstg	-40 ~ +85	
Lead Solder Temperature [2mm Below Package Base]	260°C For 3~5 Seconds		

Operating Characteristics (TA=25°C)		MG (GaP)	Unit
Forward Voltage (Typ.) (IF=20mA)	V _F	2.2	V
Forward Voltage (Max.) (IF=20mA)	V _F	2.5	V
Reverse Current (Max.) (V _R =5V)	I _R	10	uA
Wavelength Of Peak Emission (Typ.) (IF=20mA)	λ P	565	nm
Wavelength Of Dominant Emission (Typ.) (IF=20mA)	λ D	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA)	Δλ	30	nm
Capacitance (Typ.) (V _F =0V, f=1MHz)	C	15	pF

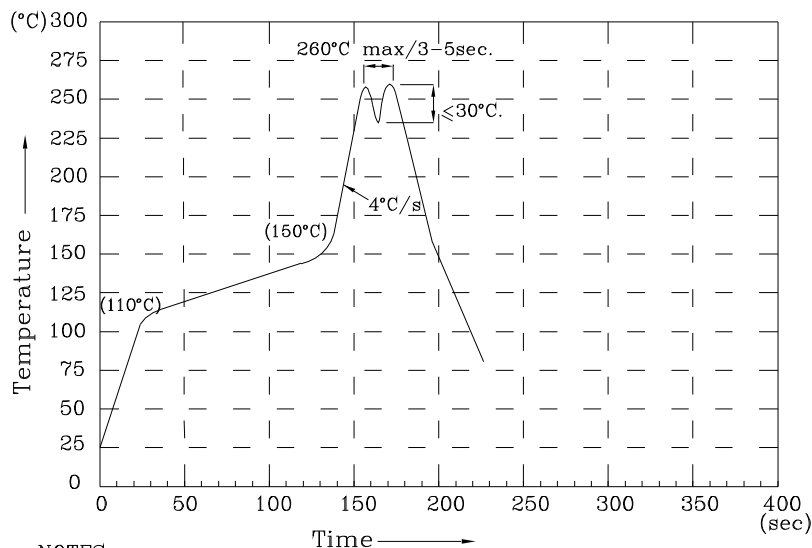
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd	Wavelength nm λ P	Viewing Angle 2 θ 1/2
				min.	typ.	
FMG20D6A	Green	GaP	Green Diffused	70	198	565 120°
Published Date : MAR 19,2008		Drawing No :SDSA2829		V3	Checked : Shin Chi	P.1/4



❖ MG



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:

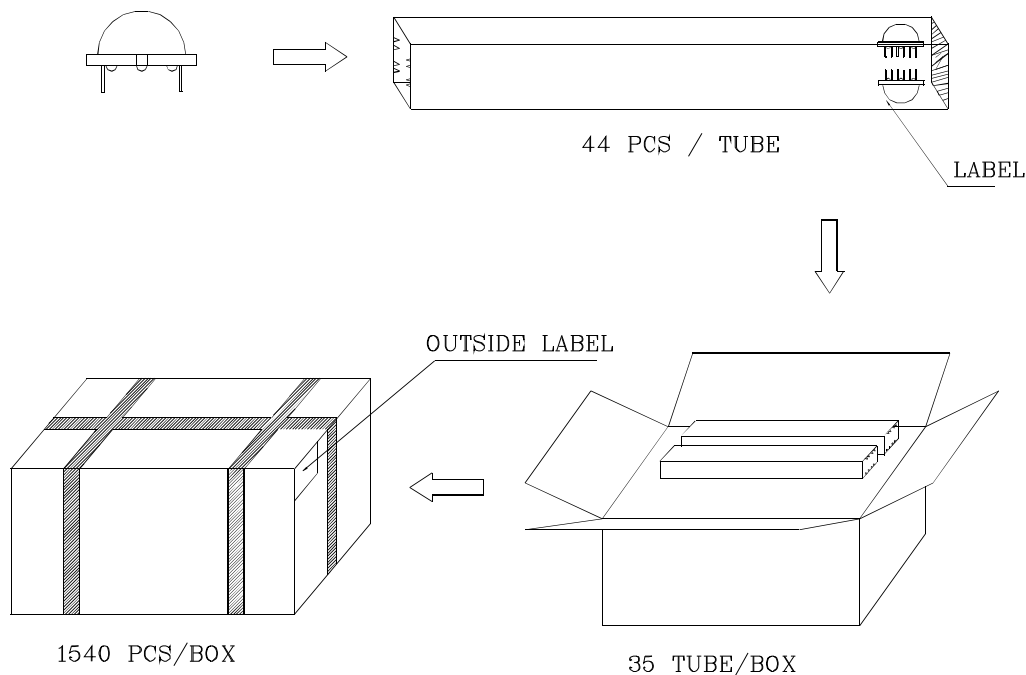
If special sorting is required (e.g. binning based on forward voltage, Luminous intensity / luminous flux, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: +/-1nm
2. Luminous intensity / luminous flux: +/-15%
3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

PACKING & LABEL SPECIFICATIONS

FMG20D6A



Inside LABEL Paste On The IC-tube

SunLED	PART NO: Fxx20x6x	Q.C.
QTY: 44 PCS	CODE: xx	PASSED
XXXXXXXX-XXXX		XX XX XX
LOT NO.		FQCX
RoHs Compliant		Date
		Number OF FQC

Outside LABEL Paste On The Box

BOX Number	XXXX	XXXX	BIN CODE
Fxx20x6x	1540	XX	
			Number OF QA
			Date
			QA
			PASSED