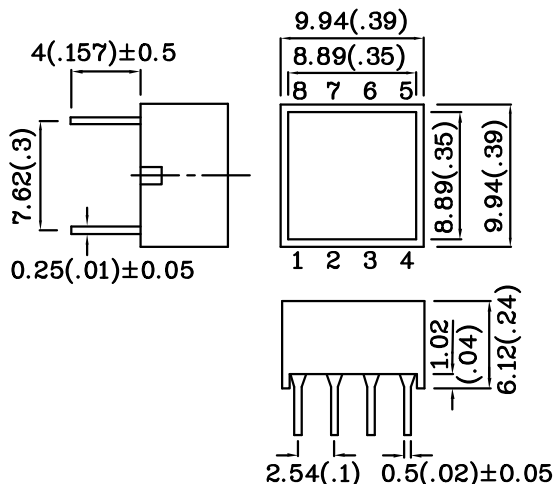
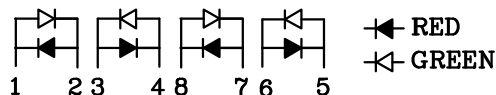


PRELIMINARY SPEC

Features

- UNIFORM LIGHT EMITTING AREA.
- LOW CURRENT OPERATION.
- EASILY MOUNTED ON P.C. BOARDS.
- FLUSH MOUNTABLE.
- EXCELLENT ON/OFF CONTRAST.
- CAN BE USED WITH PANELS AND LEGEND MOUNTS.
- RoHS COMPLIANT.



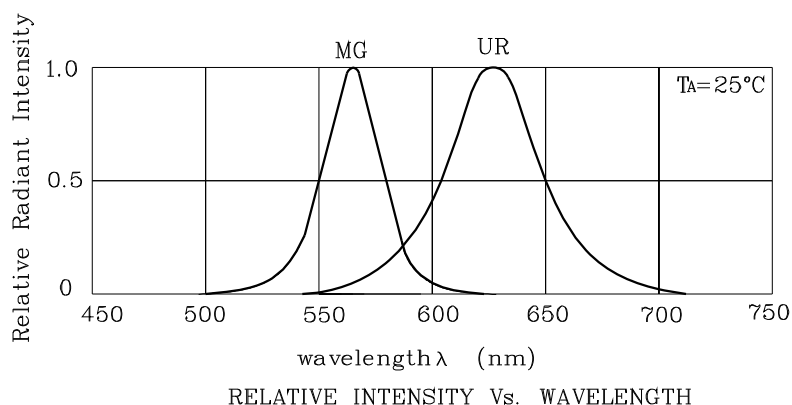
Notes:

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.

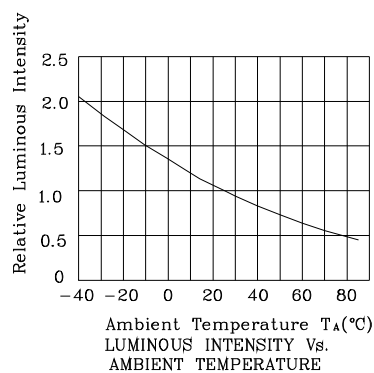
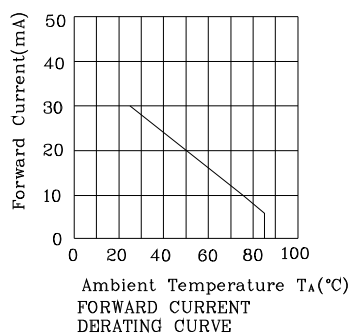
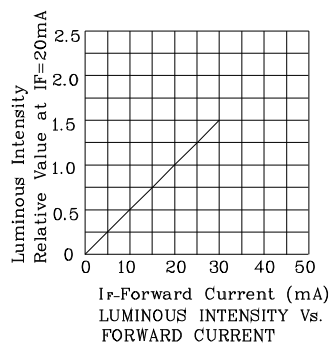
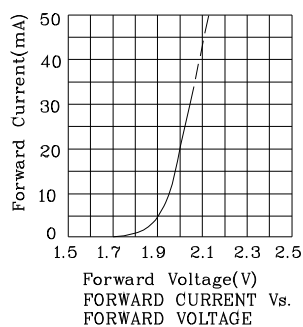
Absolute Maximum Ratings (TA=25°C)		UR (GaAsP/ GaP)	MG (GaP)	Unit
Reverse Voltage	VR	5	5	V
Forward Current	IF	30	25	mA
Forward Current (Peak) 1/10 Duty Cycle 0.1ms Pulse Width	iFS	160	140	mA
Power Dissipation	PT	75	62.5	mW
Operating Temperature	TA	-40 ~ +85		°C
Storage Temperature	Tstg	-40 ~ +85		
Lead Solder Temperature [2mm Below Package Base]	260°C For 3-5 Seconds			

Operating Characteristics (TA=25°C)		UR (GaAsP/ GaP)	MG (GaP)	Unit
Forward Voltage (Typ.) (IF=20mA)	VF	2.0	2.2	V
Forward Voltage (Max.) (IF=20mA)	VF	2.5	2.5	V
Wavelength Of Peak Emission (Typ.) (IF=20mA)	λ P	627	565	nm
Wavelength Of Domi- nant Emission (Typ.) (IF=20mA)	λ D	625	568	nm
Spectral Line Full Width At Half-Maximum (Typ.) (IF=20mA)	Δλ	45	30	nm
Capacitance (Typ.) (VF=0V, f=1MHz)	C	15	15	pF

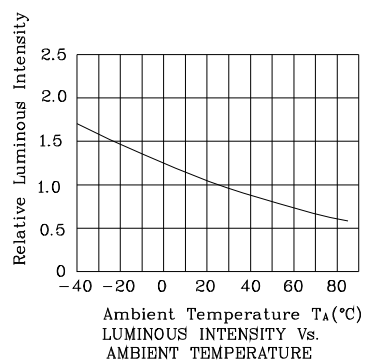
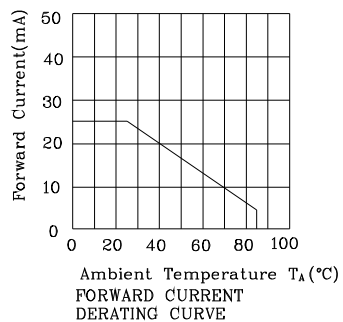
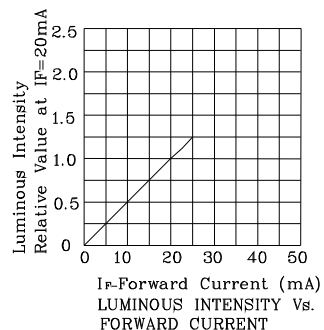
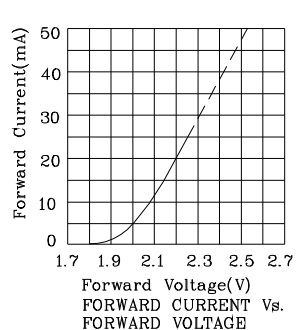
Part Number	Emitting Color	Emitting Material	Lens-color	Luminous Intensity (IF=20mA) mcd		Wavelength nm λ P
				min.	typ.	
EURMG2965M	Red	GaAsP/GaP	White Diffused	10	52.37	627
	Green	GaP		18	65	565



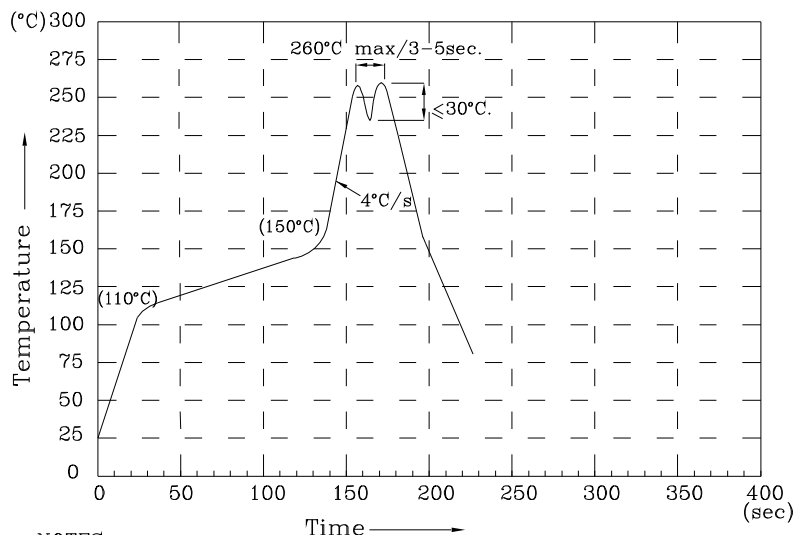
❖ UR



❖ 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.

EURMG2965M

