

SIDE LOOK PACKAGE SOLID STATE LAMP

MSL-824HG-G

Description

The MSL-824HG-G is designed based on in an industry standard package for ease of handing and use.

The package is water clear epoxy within white plastic.

Applications

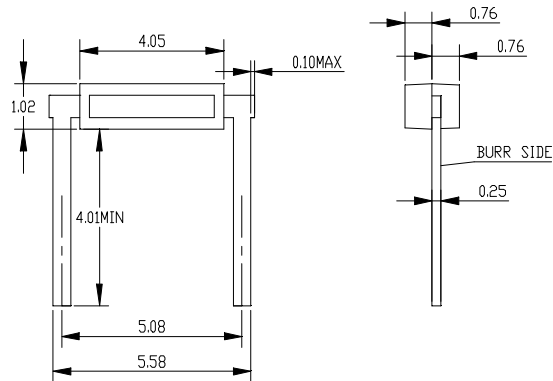
- LCD backlighting
- Symbol backlighting
- Front panel indicator

Features

- High performance
- Excellent chip to chip consistency
- High reliability

Package Dimensions

Units : mm



Notes :

1. All dimensions are in millimeters.
2. Tolerance is ± 0.1 mm unless otherwise noted.
3. Lead plating is gold.

Absolute Maximum Ratings

@ $T_A = 25^\circ\text{C}$

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P_{ad}	100	mW
Continuous Forward Current	I_{af}	30	mA
Reverse Current ($V_R = 5V$)	I_R	10	μA
Operating Temperature Range	T_{opr}	-40°C to +85°C	
Storage Temperature Range	T_{stg}	-40°C to +85°C	
Lead Soldering Temperature 260°C for 5 second (2.0mm From Body)			

UNI

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Optical-Electrical Characteristics

@ T_A=25°C

PART NO	Color		Dominant Wave Length $\lambda_D(\text{nm})$	Spectral Halfwidth $\Delta\lambda(\text{nm})$	Forward Voltage @ I _F =20mA (V)		Luminous Intensity @ I _F =20mA (mcd)		Viewing Angle 2θ _{1/2} (deg)
	Emitted	Lens			TYP	MAX	MIN	TYP	
MSL-824HG-G	Green	Water Clear	570	15	2.2	2.5	30	45	100

Typical Optical-Electrical Characteristic Curves

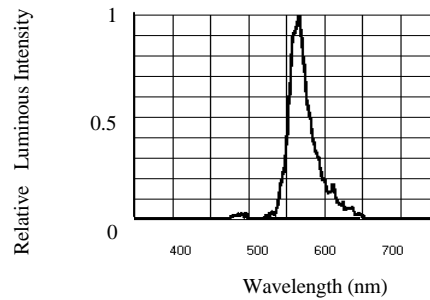


FIG.1 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH

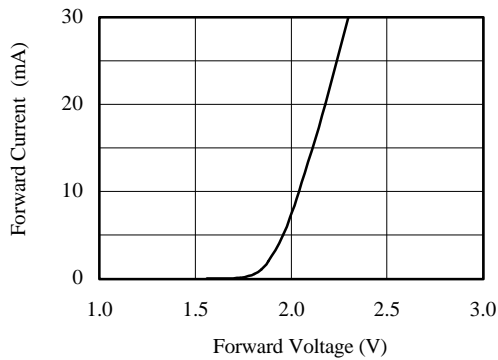


FIG.2 FORWARD CURRENT VS. FORWARD VOLTAGE

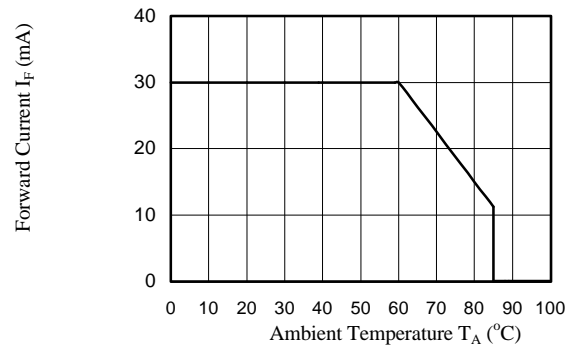


FIG.3 FORWARD CURRENT VS. AMBIENT TEMPERATURE

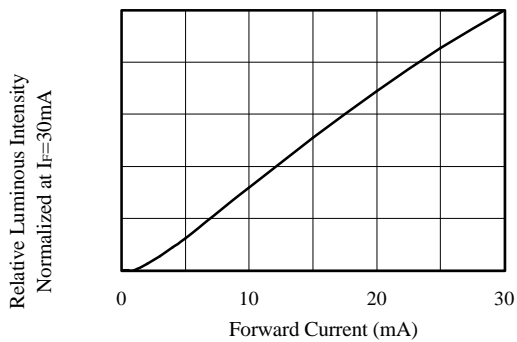


FIG.4 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

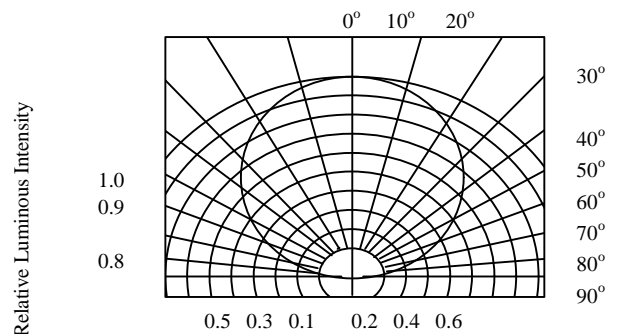


FIG.5 RADIATION PATTERN DIAGRAM