

SIDE LOOK PACKAGE SOLID STATE LAMP

MSL-854UG

Description

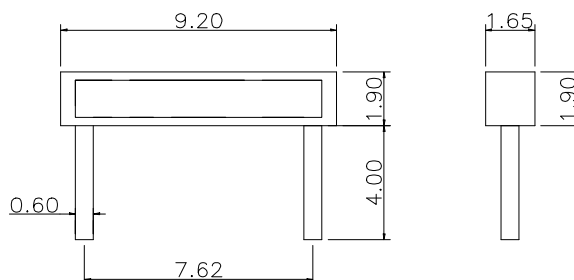
The MSL-854UG is designed based on an industry standard package for ease of handling and use.
The package is water clear epoxy within white plastic.

Package Dimensions

Units : mm

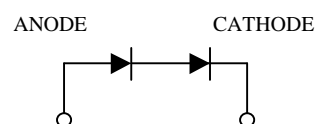
Applications

- LCD backlighting
- Symbol backlighting
- Front panel indicator



Features

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



Notes :

1. All dimensions are in millimeters.
2. Tolerance is ± 0.25 mm unless otherwise noted.

Absolute Maximum Ratings

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

Parameter	Symbol	Maximum Rating	Unit
Power Dissipation	P _{ad}	200	mW
Continuous Forward Current	I _{af}	35	mA
Reverse Current(V _R =5V)	I _R	10	A
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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11/06/2000

Optical-Electrical Characteristics

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

PART NO	Color		Dominant Wave Length $\lambda_D(\text{nm})$	Spectral Halfwidth $\Delta\lambda(\text{nm})$	Forward Voltage @ $I_F=20\text{mA}$ (V)		Luminous Intensity @ $I_F=20\text{mA}$ (mcd)		Viewing Angle $2\theta_{1/2}$ (deg)
	Emitted	Lens			TYP	MAX	MIN	TYP	
MSL-854UG	Green	Water Clear	570	15	4.5	5.2	110	200	110

Typical Optical-Electrical Characteristic Curves

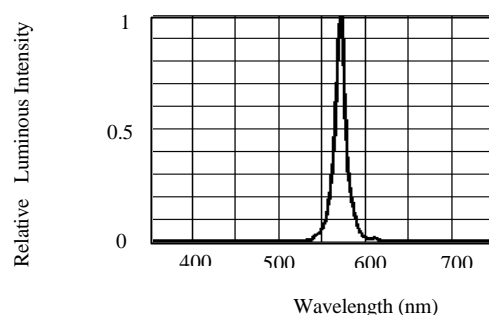


FIG.1 RELATIVE LUMINOUS INTENSITY VS. WAVELENGTH

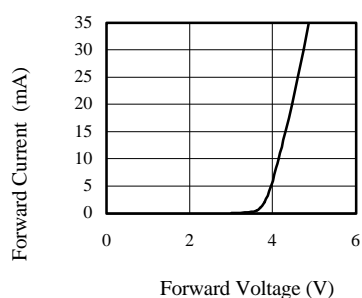


FIG.2 FORWARD CURRENT VS. FORWARD VOLTAGE

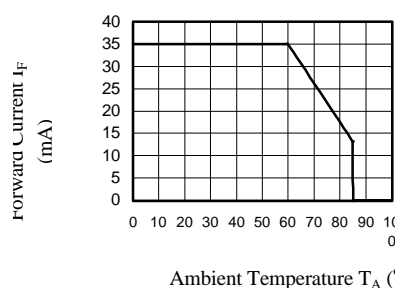


FIG.3 FORWARD CURRENT VS. AMBIENT TEMPERATURE
Ambient Temperature $T_A (^{\circ}\text{C})$

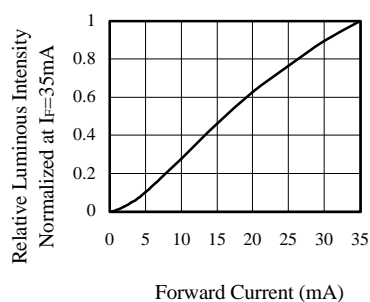


FIG.4 RELATIVE LUMINOUS INTENSITY VS. FORWARD CURRENT

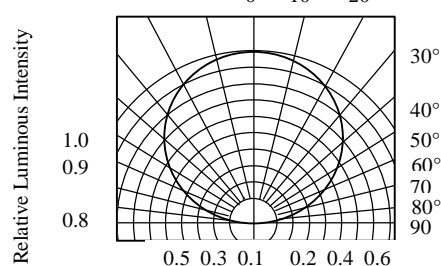


FIG.5 RADIATION PATTERN DIAGRAM