

- 1. Dimensions for all drawings are in inches (mm).
- 2. Lead spacing is measured where the leads emerge from the package.
- 3. Protruded resin under the flange is 1.5 mm (0.059") max.

This T-1 3/4 super bright LED has a moderate viewing angle of 20° for concentrated light output. It is made with an InGaN LED that emits blue light at 465 nm. It is encapsulated in a water clear epoxy lens package.

ABSOLUTE MAXIMUM RATINGS (T _A = 25°C unless otherwise specified)				
Parameter	Symbol	Rating	Unit	
Operating Temperature	T _{OPR}	-20 to +80	°C	
Storage Temperature	T _{STG}	-30 to +100	°C	
Lead Soldering Time	T _{SOL}	260 for 5 sec	°C	
Continuous Forward Current	I _F	30	mA	
Peak Forward Current (f = 1.0 KHz, Duty Factor = 1/10)	١ _F	100	mA	
Reverse Voltage	V _R	5	V	
Power Dissipation	PD	120	mW	



SUPER BLUE MV8U01 MV8U03 MV8U0X

Part Number	MV8U01	MV8U03	Condition
Luminous Intensity (mcd)			l _F = 20 mA
Minimum	250	550	
Typical	340	650	
Forward Voltage (V)			l _F = 20 mA
Maximum	4.2	4.2	
Typical	3.6	3.6	
Wavelength (nm)			l _F = 20 mA
Peak	465		
Dominant	4	70	
Spectral Line Half Width (nm)	3	30	I _F = 20 mA
Viewing Angle (°)	20		I _F = 20 mA

TYPICAL PERFORMANCE CURVES

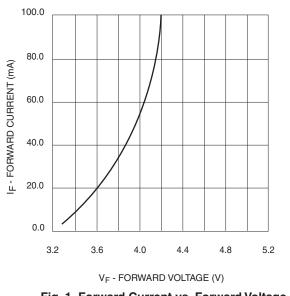
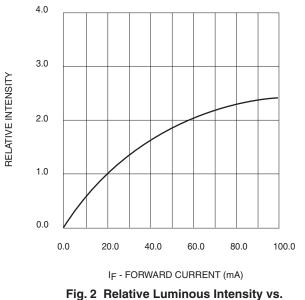


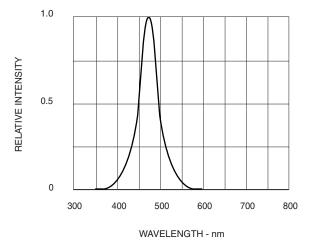
Fig. 1 Forward Current vs. Forward Voltage



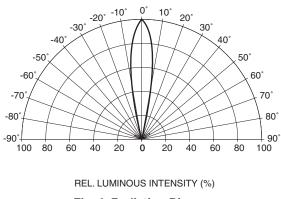
Forward Current



SUPER BLUE	MV8U0X
MV8U01	
MV8U03	











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