

- 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 45° for concentrated light output. It is made with an AllnGaP LED that emits orange light at 620 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}	-40 to +100	°C	
Storage Temperature	T _{STG}	-40 to +100	°C	
Lead Soldering Time	T _{SOL}	260 for 5 sec	°C	
Continuous Forward Current	I _F	40	mA	
Peak Forward Current (f = 1.0 KHz, Duty Factor = 1/10)	١ _F	160	mA	
Reverse Voltage	V _R	5	V	
Power Dissipation	PD	100	mW	



SUPER ORANGE Μ

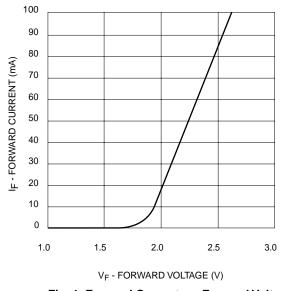
MV874Y

/IV8741 MV874	12
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v	ο	I	4A	

Part Number	MV8741	MV8742	Condition
Luminous Intensity (mcd)			I _F = 20 mA
Minimum	250	400	
Typical	370	600	
Forward Voltage (V)			I _F = 20 mA
Maximum	2.8	2.8	
Typical	2.1	2.1	
Wavelength (nm)			I _F = 20 mA
Peak		620	
Dominant		615	
Spectral Line Half Width (nm)		20	I _F = 20 mA
Viewing Angle (°)		20	I _F = 20 mA

TYPICAL PERFORMANCE CURVES





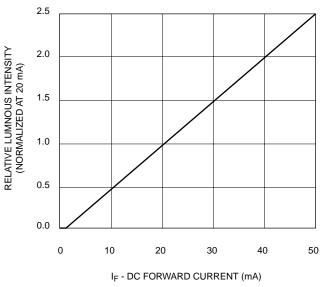


Fig. 2 Relative Luminous Intensity vs. DC Forward Current



SUPER ORANGEMV874XMV8741MV8742

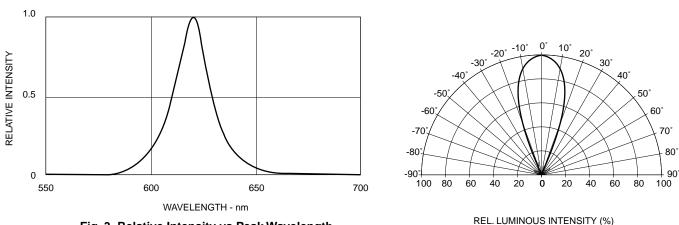


Fig. 3 Relative Intensity vs Peak Wavelength



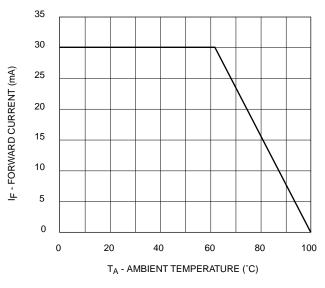


Fig. 5 Current Derating Curve



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