

- Dimensions for all drawings are in inches (mm).
 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 viewing angle of 45° for concentrated light output. The MV834X series is made with an AllnGap LED that emits yellow light at 590 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	30	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	85	mW	

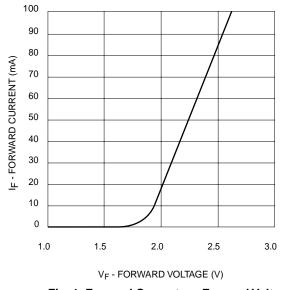


SUPER YELLOW Ν

MV834X

ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)				
Part Number	MV8341	MV8342	Condition	
Luminous Intensity (mcd)			I _F = 20 mA	
Minimum	160	250		
Typical	240	370		
Forward Voltage (V)			I _F = 20 mA	
Maximum	2.8	2.8		
Typical	2.1	2.1		
Peak Wavelength (nm)	590	590	I _F = 20 mA	
Spectral Line Half Width (nm)	15	15	I _F = 20 mA	
Viewing Angle (°)	45	45	I _F = 20 mA	

TYPICAL PERFORMANCE CURVES





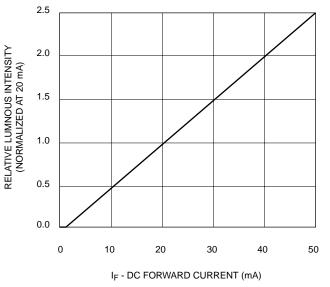


Fig. 2 Relative Luminous Intensity vs. DC Forward Current



SUPER YELLOWMV834XMV8341MV8342

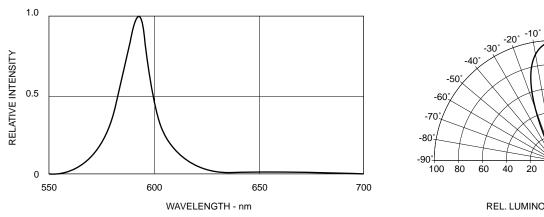
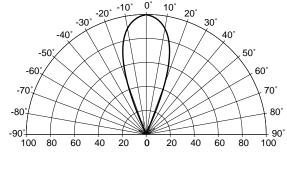


Fig. 3 Relative Intensity vs Peak Wavelength



REL. LUMINOUS INTENSITY (%)
Fig. 4 Radiation Diagram

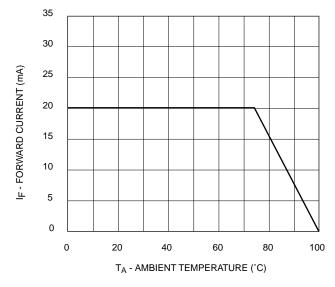


Fig. 5 Current Derating Curve



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