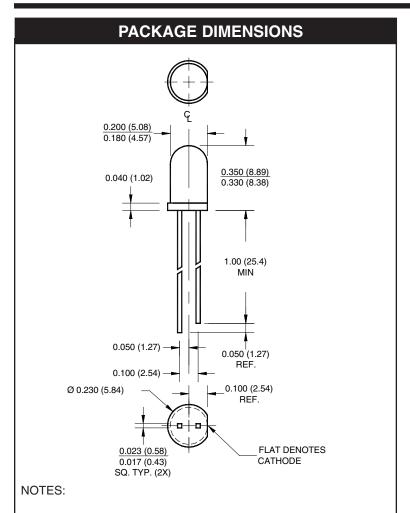
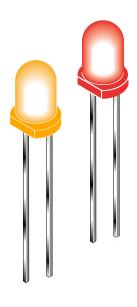
MV8834T RED

MV8334T AMBER





- 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.

APPLICATIONS

- Traffic management (e.g., traffic signals, variable message signs, and etc.)
- Signage (indoor and outdoor)

DESCRIPTION

MV8834T and MV8334T, T-1 3/4 ultra-bright LED lamps that utilize TS-AllnGaP technology, have a moderate viewing angle of 30°. They are encapsulated in a water clear epoxy lens package.

FEATURES

- Popular T-1 3/4 package
- · Solid state reliability
- · Water clear optics
- Standard 100 mil. lead spacing



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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 +110	°C	
Lead Soldering Time	T _{SOL}	260 for 5 sec	°C	
Continuous Forward Current	I _F	50	mA	
Peak Forward Current	I _F	100	mA	
(f = 1.0 KHz, Duty Factor = 1/10)				
Reverse Voltage (I _R = 100 μA)	V _R	5	V	
Power Dissipation	P _D	100	mW	

ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)				
Part Number	RED MV8834T	AMBER MV8334T	Condition	
Luminous Intensity (mcd)			I _F = 20 mA	
Minimum	1000	1000		
Typical	2200	2200		
Forward Voltage (V)			I _F = 20 mA	
Maximum	2.4	2.4		
Typical	2.0	2.2		
Wavelength (nm)				
Peak	635	594	I _F = 20 mA	
Dominant	630	592		
Spectral Line Half Width (nm)	20	20	I _F = 20 mA	
Viewing Angle (°)	30	30	I _F = 20 mA	



MV8834T RED

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TYPICAL PERFORMANCE CURVES

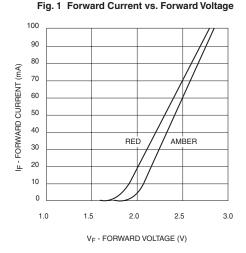


Fig. 2 Relative Luminous Intensity vs. DC Forward Current

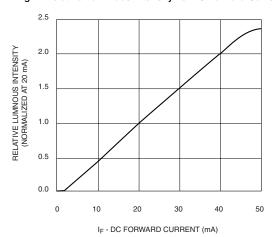


Fig. 3 Relative Intensity vs Peak Wavelength

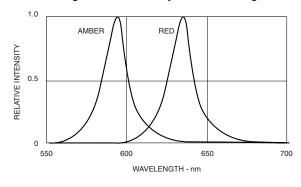


Fig. 4 Radiation Diagram

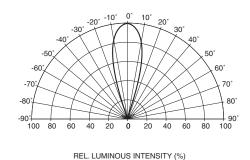
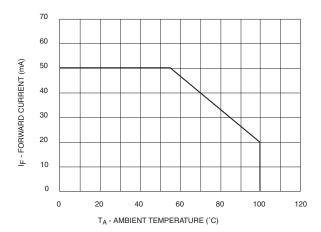


Fig. 5 Current Derating Curve



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