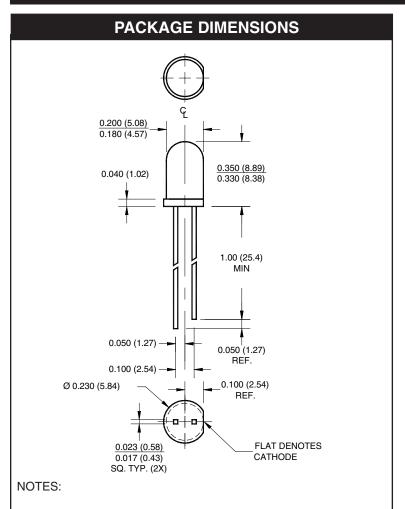
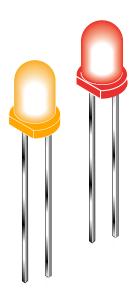


MV8834T RED

MV8334T AMBER





- 1. 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.

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



MV8834T RED

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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

MV8334T AMBER

TYPICAL PERFORMANCE CURVES

Eliza 4 Estimated Commentation Estimated Valley

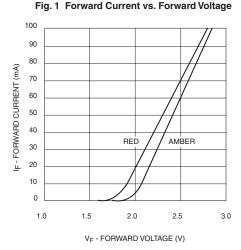


Fig. 2 Relative Luminous Intensity vs. DC Forward Current

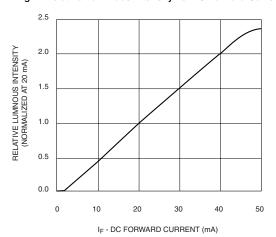


Fig. 3 Relative Intensity vs Peak Wavelength

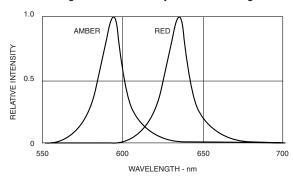


Fig. 4 Radiation Diagram

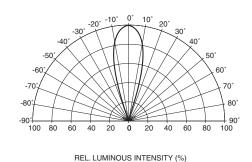
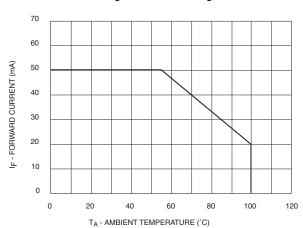


Fig. 5 Current Derating Curve





MV8834T RED

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- A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.