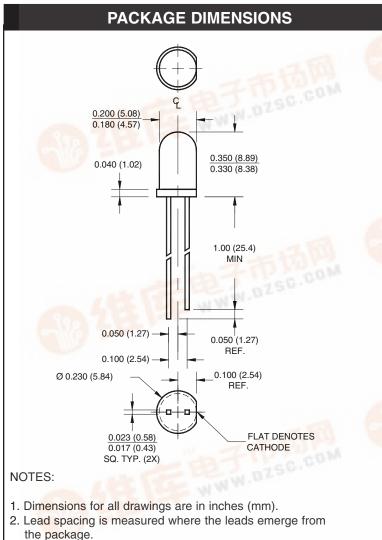


#### MV8834T RED

## MV8334T AMBER



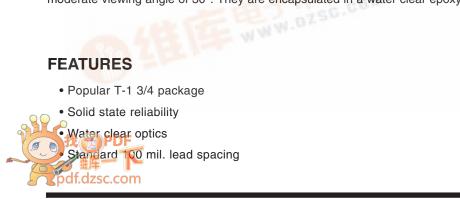


#### **APPLICATIONS**

- 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.



3. Protruded resin under the flange is 1.5 mm (0.059") max.



SEMICONDUCTOR®

## MV8834T RED

## MV8334T AMBER

<b>ABSOLUTE MAXIMUM RATINGS</b> (T <sub>A</sub> = 25°C unless otherwise specified)				
Parameter	Symbol	Rating	Unit	
Operating Temperature	T <sub>OPR</sub>	-40 to +100	°C	
Storage Temperature	T <sub>STG</sub>	-40 to +110	°C	
Lead Soldering Time	T <sub>SOL</sub>	260 for 5 sec	°C	
Continuous Forward Current	I <sub>F</sub>	50	mA	
Peak Forward Current (f = 1.0 KHz, Duty Factor = 1/10)	١ <sub>F</sub>	100	mA	
Reverse Voltage (I <sub>R</sub> = 100 µA)	V <sub>R</sub>	5	V	
Power Dissipation	P <sub>D</sub>	100	mW	

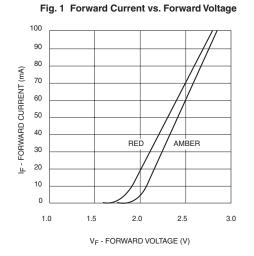
ELECTRICAL / OPTICAL CHARACTERISTICS (TA =25°C)				
Part Number	RED MV8834T	AMBER MV8334T	Condition	
Luminous Intensity (mcd)			I <sub>F</sub> = 20 mA	
Minimum	1000	1000		
Typical	2200	2200		
Forward Voltage (V)			I <sub>F</sub> = 20 mA	
Maximum	2.4	2.4		
Typical	2.0	2.2		
Wavelength (nm)				
Peak	635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



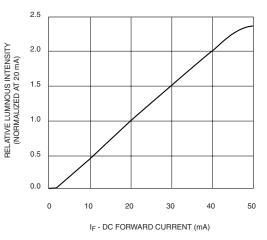
### MV8834T RED

## MV8334T AMBER

#### **TYPICAL PERFORMANCE CURVES**









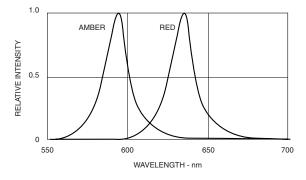
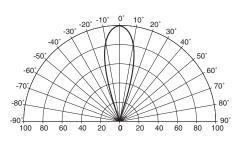


Fig. 4 Radiation Diagram



REL. LUMINOUS INTENSITY (%)

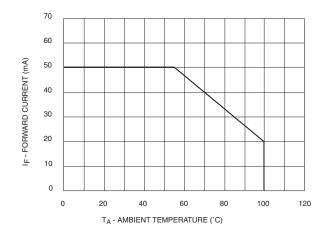


Fig. 5 Current Derating Curve



### MV8834T RED

### MV8334T AMBER

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- 2. 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.