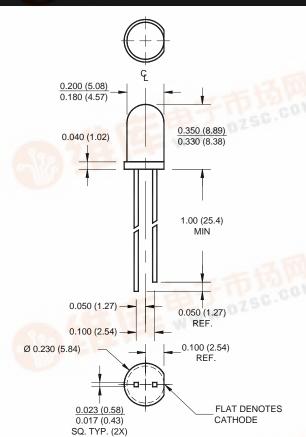


SUPER YELLOW MV8341 MV8342

MV834X





NOTES:

- 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.

FEATURES

- Popular T-1 3/4 package
- · Super high brightness suitable for outdoor WWW.DZSC.COM applications
- Solid state reliability
- Water clear optics
- · Standard 100 mil. lead spacing



DESCRIPTION

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.

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ABSOLUTE MAXIMUM RATING	GS (I _A = 25°C unless otherwise specified)
Parameter	Symbol

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	ı	160	mA
(f = 1.0 KHz, Duty Factor = 1/10)	'F	100	IIIA
Reverse Voltage	V_{R}	5	V
Power Dissipation	P _D	85	mW



SUPER YELLOW	MV834X
MV8341 MV8342	

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

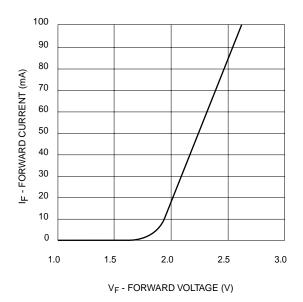


Fig. 1 Forward Current vs. Forward Voltage

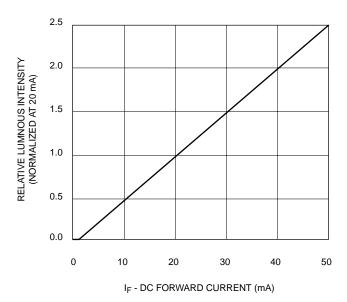


Fig. 2 Relative Luminous Intensity vs. DC Forward Current



SUPER YELLOW MV8341 MV8342

MV834X

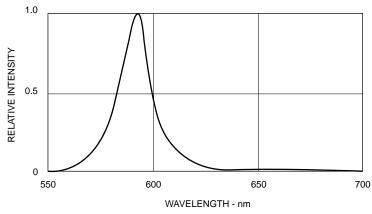
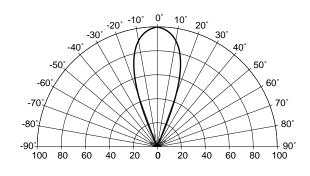


Fig. 3 Relative Intensity vs Peak Wavelength



REL. LUMINOUS INTENSITY (%)

Fig. 4 Radiation Diagram

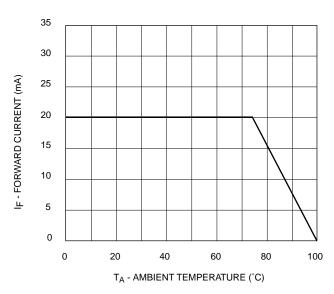


Fig. 5 Current Derating Curve



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