查询MV8U01供应商 FAIRCHILD SEMICONDUCTOR

SUPER BRIGHT T-1 3/4 (5 mm) LED LAMP - Water Clear

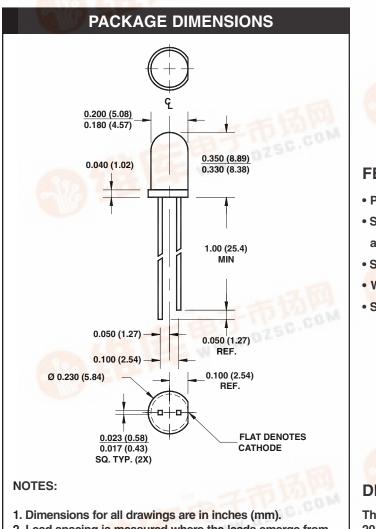
MV8U0X

NW.DZSG

SUPER BLUE

MV8U01

MV8U03



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.

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

DESCRIPTION

This T-1 3/4 super bright LED has a moderate viewing angle of 20° for concentrated light output. It is made with an InGaN LED that emits blue light at 465 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}	-20 to +80	°C	
Storage Temperature	T _{STG}	-30 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	100	mA	
Beverse Voltage	V _R	5	V	
Power Dissipation	PD	120	mW	

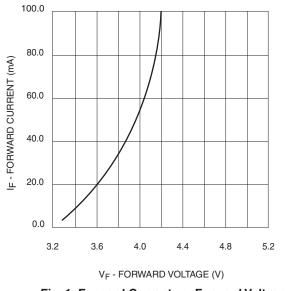


SUPER BRIGHT T-1 3/4 (5 mm) LED LAMP - Water Clear

SUPER BLUE MV8U0X MV8U01 MV8U03

ELECTRICAL / OPTICAL CH			a
Part Number	MV8U01	MV8U03	Condition
Luminous Intensity (mcd)			I _F = 20 mA
Minimum	250	550	
Typical	340	650	
Forward Voltage (V)			I _F = 20 mA
Maximum	4.2	4.2	
Typical	3.6	3.6	
Wavelength (nm)			I _F = 20 mA
Peak	465		
Dominant	47	70	
Spectral Line Half Width (nm)	30		I _F = 20 mA
Viewing Angle (°)	20		I _F = 20 mA

TYPICAL PERFORMANCE CURVES



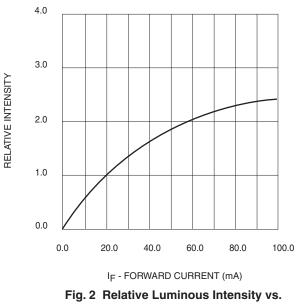


Fig. 1 Forward Current vs. Forward Voltage

Forward Current



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SUPER BLUE MV8U01 MV8U03 MV8U0X

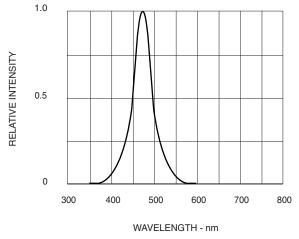
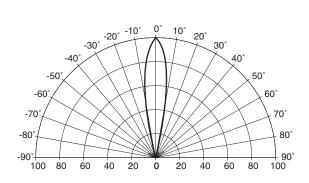


Fig. 3 Relative Luminous Intensity vs. Wavelength



REL. LUMINOUS INTENSITY (%)

Fig. 4 Radiation Diagram



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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.