Excellent Integrated System Limited

Stocking Distributor

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Fairchild Semiconductor MV9100

For any questions, you can email us directly: sales@integrated-circuit.com

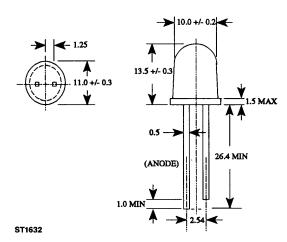




SUPER BRIGHT 10 mm LED LAMPS

SUPER RED MV9100 CLEAR **SUPER RED MV9101 CLEAR SUPER RED MV9102 CLEAR**

PACKAGE DIMENSIONS



NOTES:

- ALL DIMENSIONS ARE IN 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.

DESCRIPTION

These 10 mm super bright LEDs have a narrow 8° viewing angle for concentrated light output. The MV9100/ 1/2 are made with GaA1As LEDs on a GaAs substrate. They are all encapsulated in an epoxy package and have water clear lenses.

FEATURES

- Outstanding material efficiency.
- Low drive current.
- Solid state reliability.
- Super high brightness suitable for outdoor applications.
- Standard 1 mil. lead spacing.

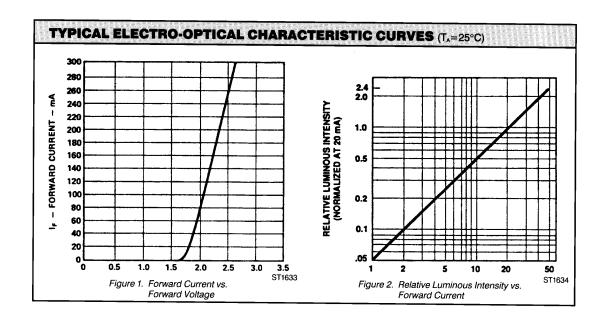
DC forward current (I ₁)	
Operating temperature range	
Storage temperature range	−40°C to +100°C
Lead soldering time	5 seconds @ 260°C
Peak forward current (I _i)	
(at f=1.0 KHz, Duty factor= 1/10)	
Power dissipation (P _d)	
Recommended operating current (I, Rec)	





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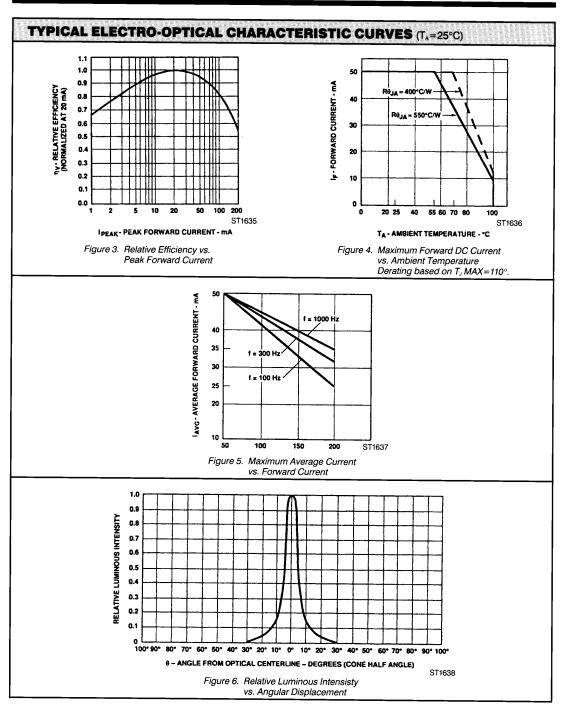
ELECTRO-OPTICAL CHARACTERISTICS (T _A = 25°C Unless Otherwise Specified)					
PART NUMBER	MV9100	MV9101	MV9102	TEST CONDITIONS	
Luminous intensity (mcd) minimum typical	600 940	1000 1500	1600 2400	I _F =20 mA	
Forward voltage (V _r) minimum typical maximum		1.5 1.7 2.4		I _F =20 mA	
Peak wavelength (nm)		660		I _F =20 mA	
Spectral line half width (nm)	<u> </u>	20		I _F =20 mA	
Reverse breakdown voltage (V _R)		5		I _F =10 μA	
Viewing angle (°)		8		I _F =20 mA	







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Distributor of Fairchild Semiconductor: Excellent Integrated System Limited

Datasheet of MV9100 - LED RED CLEAR 10MM ROUND T/H

Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



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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.