

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

PACKAGE DIMENSIONS

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.

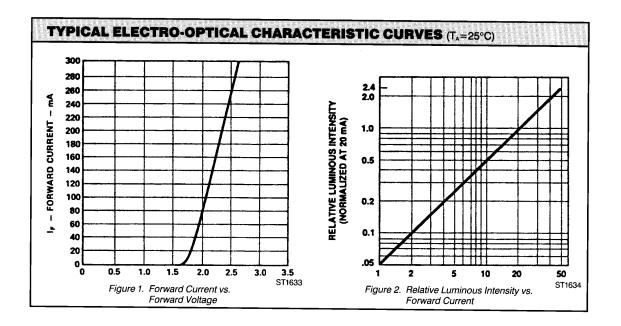
NOTES:

- 1. ALL DIMENSIONS ARE IN 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.

ABSOLUTE MAXIMUM RATING (TA=25°C Unless Otherwise Specified)		
DC forward current (I _t)		
Operating temperature range		
Storage temperature range	40°C to +100°C	
Lead soldering time		
Peak forward current (I,) (at f=1.0 KHz, Duty factor= 1/10)		
Power dissipation (P _d)	110 mW	
Recommended operating current (I, Rec)		

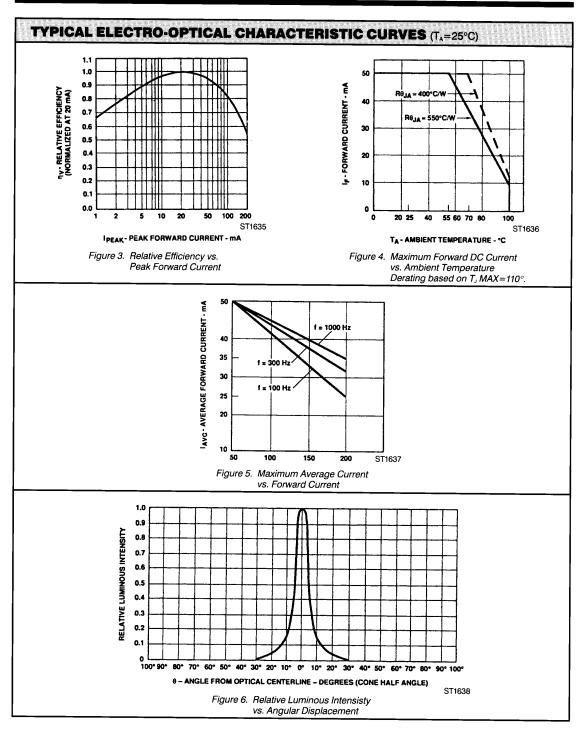


PART NUMBER	MV9100	MV9101	MV9102	TEST CONDITIONS
Luminous intensity (mcd) minimum typical	600 940	1000 1500	1600 2400	I _F =20 mA
Forward voltage (V _r) minimum typical maximum		1.5 1.7 2.4		I _F =20 mA
Peak wavelength (nm)		660	1	I _F =20 mA
Spectral line half width (nm)		20		I _F =20 mA
Reverse breakdown voltage (V _R)		5		I _F =10 μA
Viewing angle (°)		8		I₌=20 mA





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