

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.

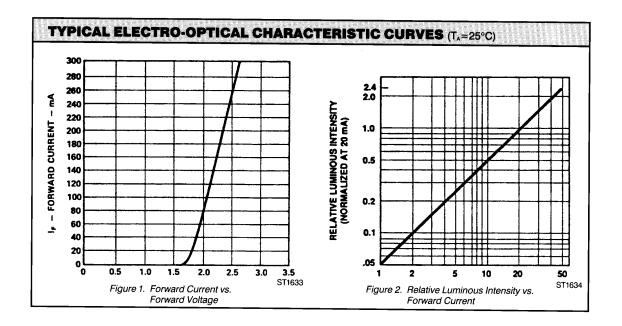
10 A

- 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.

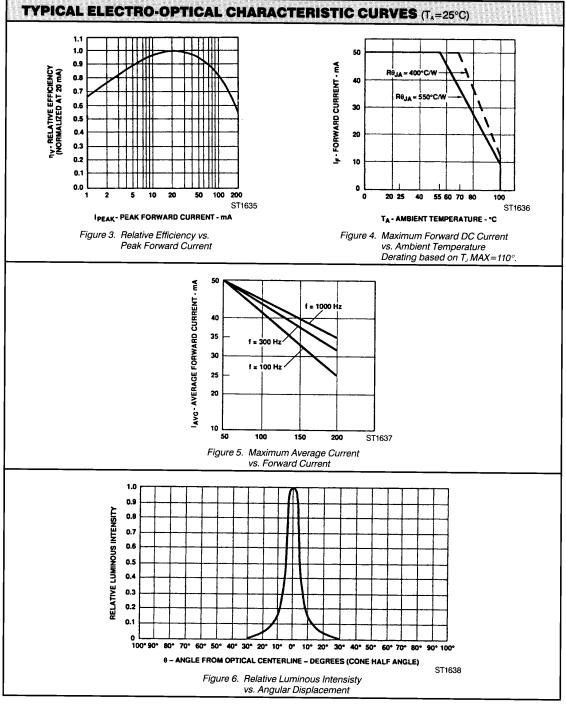
ABSOLUTE MAXIMUM RATING (T _A =25°C Unless Otherwise Specified)				
DC forward current (I _f)				
Operating temperature range				
Storage temperature range				
Lead soldering time	5 seconds @ 260°C			
Peak forward current (I,)				
Power dissipation (P_d)	110 mW			
Recommended operating current (I, Rec)				



PART NUMBER	MV9100	MV9101	MV9102	TEST CONDITIONS
Luminous intensity (mcd)				I _F =20 mA
minimum	600	1000	1600	
typical	940	1500	2400	
Forward voltage (V _F)				I₅=20 mA
minimum		1.5		
typical		1.7		
maximum		2.4		
Peak wavelength (nm)		660		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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