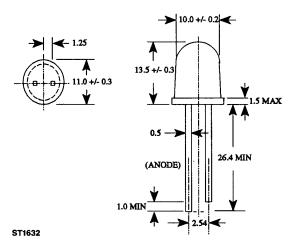




SUPER RED MV9100 CLEAR SUPER RED MV9101 CLEAR SUPER RED MV9102 CLEAR

PACKAGE DIMENSIONS



NOTES:

- 1. ALL DIMENSIONS ARE IN MM.
- 2. LEAD SPACING IS MEASURED WHERE THE LEADS EMERGE FROM THE PACKAGE.
- 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

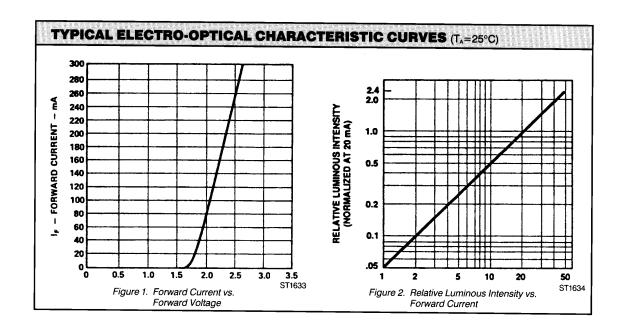
- Outstanding material efficiency.
- Low drive current.
- Solid state reliability.
- Super high brightness suitable for outdoor applications.
- Standard 1 mil. lead spacing.

ABSOLUTE MAXIMUM RATING (TA=25°C Unless	s Otherwise Specified)
DC forward current (I ₁)	40 mA
Operating temperature range	~40°C to +85°C
Storage temperature range	40°C to +100°C
Lead soldering time	5 seconds @ 260°C
(at 1/16 inch from the bottom of lamp)	
Peak forward current (I _i)	200 mA
(at f=1.0 KHz, Duty factor= 1/10)	
Power dissipation (P _d)	110 mW
Recommended operating current (I, Rec)	20 mA

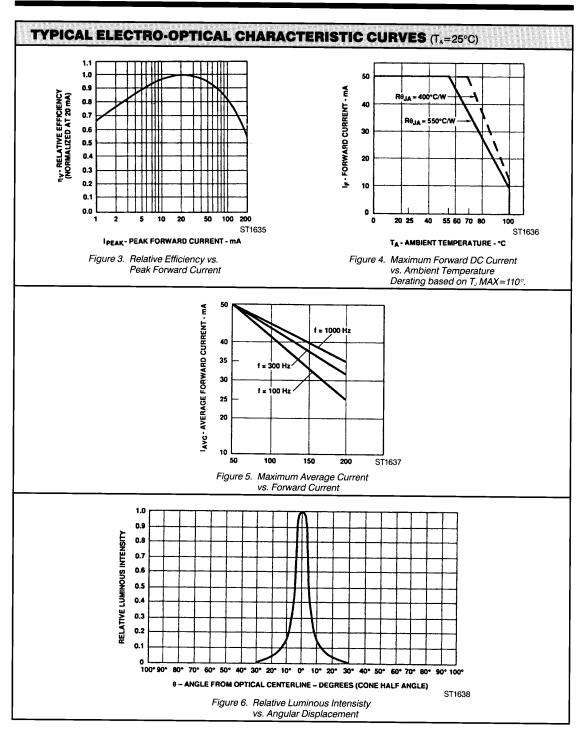


SUPER BRIGHT 10 mm LED LAMPS

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)		20		I _F =20 mA	
Reverse breakdown voltage (V _R)		5		I _F =10 μA	
Viewing angle (°)		8		I _F =20 mA	









SUPER BRIGHT 10 mm LED LAMPS

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