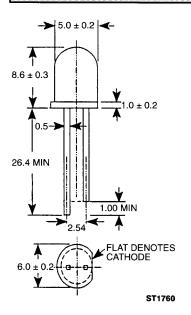


SUPER BRIGHT T-1¾ (5 mm) LED LAMPS

SUPER RED MV8102 CLEAR SUPER RED MV8103 CLEAR SUPER RED MV8104 CLEAR

PACKAGE DIMENSIONS



NOTES:

- 1. ALL DIMENSIONS ARE IN MILLIMETERS
- 2. LEAD SPACING IS MEASURED WHERE THE LEADS EMERGE FROM THE PACKAGE
- PROTRUDED RESIN UNDER FLANGE IS 1.5 mm (0.059") MAX.

DESCRIPTION

These T-1¾ super bright LEDs have a narrow 20° viewing angle for concentrated light output. The MV8101/2/3/4 are made with GaAlAs LEDs on a GaAlAs substrate. They are all encapsulated in an epoxy package and have water clear lenses.

FEATURES

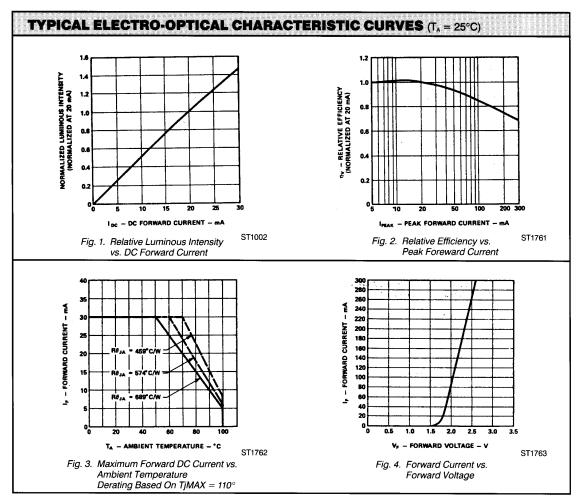
- Outstanding material efficiency
- Popular T-1¾ package
- Low drive current
- Solid state reliability
- Super high brightness suitable for outdoors applications
- Standard 1 mil. lead spacing

ABSOLUTE MAXIMUM RATING (T _A = 25°C Unless Otherwise Specified)			
DC forward current (I _t)	40 mA		
Operating temperature range			
Storage temperature range	40°C to +100°C		
Lead soldering time	5 seconds @ 260°C		
Peak forward current	200 mA		
Power dissipation (P _d)	110 mW		
Recommended operating current (I, Rec)	20 mA		

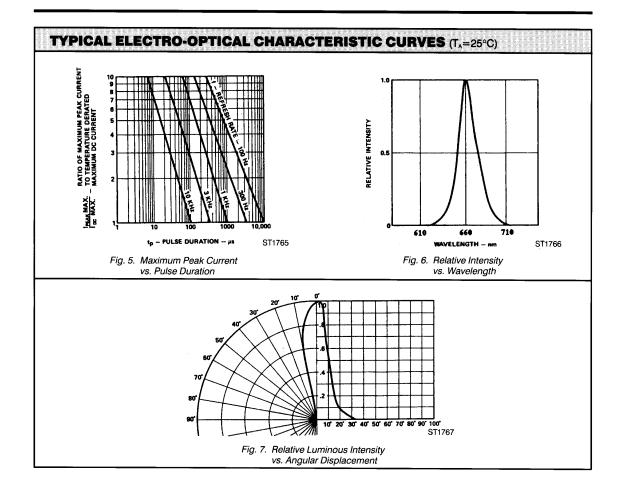


SUPER BRIGHT T-1¾ (5 MM) LED LAMPS

PARAMETER	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
			WAX.	ONITO	TEST CONDITIONS
Luminous intensity MV8102	250	370			J 00 A
				mcd	l _F =20 mA
MV8103	630	940		mcd	I _F =20 mA
MV8104	1000	1500		mcd	I₅=20 mA
Forward voltage	1.5	1.7	2.4	V	I _F =20 mA
Peak wavelength		660		nm	I _F =20 mA
Spectral line half width		40		nm	I _F =20 mA
Reverse breakdown voltage		5	·-	V	I _R =10 μA
Viewing angle		20		degree	l₅=20 mA









SUPER BRIGHT T-1 3/4 (5mm) LED LAMPS

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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.

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