

SUPER BRIGHT T-1¾ (5 mm) LED LAMPS

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

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.

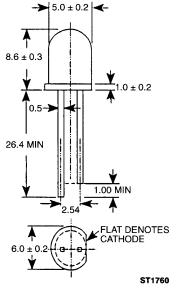
FEATURES

- 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

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

ABSOLUTE MAXIMUM RATING (TA = 25°C Unless Ott	herwise Specified)
DC forward current (I,)	
Operating temperature range	−40°C to +85°
Storage temperature range	40°C to +100°C
Lead soldering time	5 seconds @ 260°C
Peak forward current	
Power dissipation (P _d)	
Recommended operating current (I, Rec)	

PACKAGE DIMENSIONS

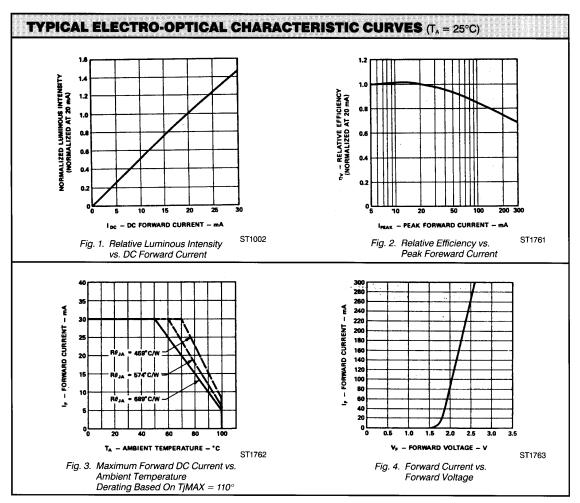




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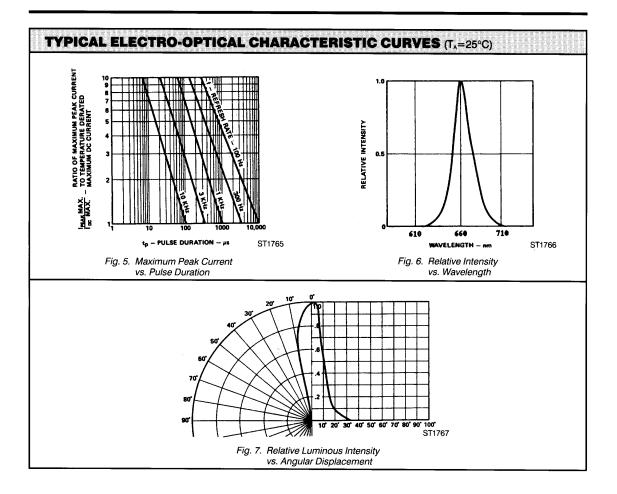
SEMICONDUCTOR

PARAMETER	MIN.	TYP.	MAX.	UNITS	TEST CONDITIONS
Luminous intensity					
MV8102	250	370		mcd	l₅=20 mA
MV8103	630	940		mcd	l _F =20 mA
MV8104	1000	1500		mcd	I₅=20 mA
Forward voltage	1.5	1.7	2.4	V	l _⊧ =20 mA
Peak wavelength		660		nm	l _F =20 mA
Spectral line half width		40		nm	l _⊧ =20 mA
Reverse breakdown voltage		5		V	l ₈ =10 μA
Viewing angle		20		degree	l₌=20 mA





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

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