

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.

捷多邦,专业PCB打样工厂,24小时加急出货

FEATURES

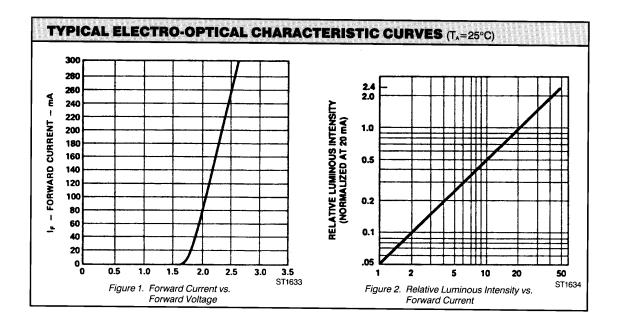
- Outstanding material efficiency.
- Low drive current.
- Solid state reliability.
- Super high brightness suitable for outdoor applications.
- Standard 1 mil. lead spacing.

vise Specified)
40°C to +100°C
5 seconds @ 260°C



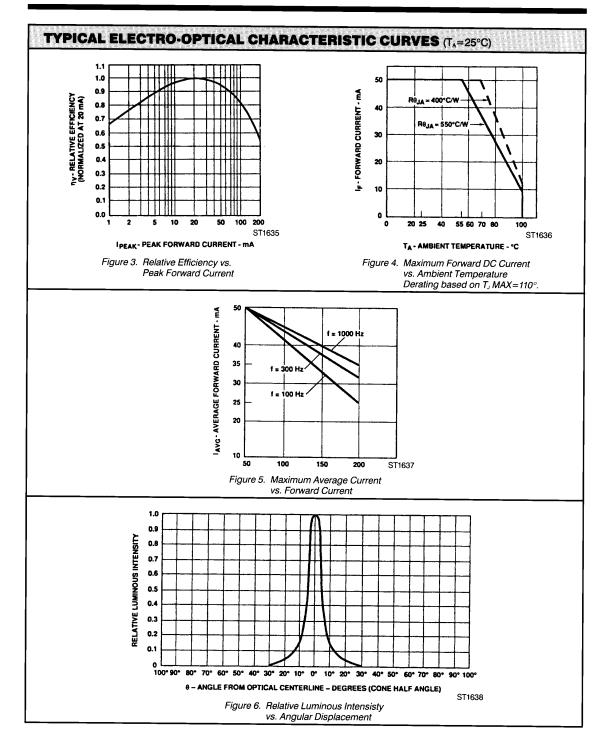


ELECTRO-OPTICAL CHARACTERISTICS (T _* = 25°C Unless Otherwise Specified)				
PART NUMBER	MV9100	MV9101	MV9102	TEST CONDITIONS
Luminous intensity (mcd) minimum typical	600 940	1000 1500	1600 2400	I _F =20 mA
Forward voltage (V _r) minimum typical maximum		1.5 1.7 2.4		l _⊧ =20 mA
Peak wavelength (nm)		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 _F =20 mA





SEMICONDUCTOR





DISCLAIMER

FAIRCHILD SEMICONDUCTOR RESERVES THE RIGHT TO MAKE CHANGES WITHOUT FURTHER NOTICE TO ANY PRODUCTS HEREIN TO IMPROVE RELIABILITY, FUNCTION OR DESIGN. FAIRCHILD DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE APPLICATION OR USE OF ANY PRODUCT OR CIRCUIT DESCRIBED HEREIN; NEITHER DOES IT CONVEY ANY LICENSE UNDER ITS PATENT RIGHTS, NOR THE RIGHTS OF OTHERS.

LIFE SUPPORT POLICY

FAIRCHILD'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE PRESIDENT OF FAIRCHILD SEMICONDUCTOR CORPORATION. As used herein:

- Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.
- 2. 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.