

Features

- * SUPERBRIGHT RED AND ULTRABRIGHT RED
- * HIGH LIGHT OUTPUT
- * RELIABLE AND RUGGED
- * IC COMPATIBLE

Absolute Maximum Ratings at T_A=25°C

REVERSE VOLTAGE (<100 μA).....	4.0 V
D.C. FORWARD CURRENT	30 mA
PULSE CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH)	100 mA
OPERATING TEMPERATURE RANGE	-25°C TO +85°C
STORAGE TEMPERATURE RANGE	-25°C TO +100°C
LEAD SOLDERING TEMP. (1.6mm FROM BODY)	260°C FOR 5 SEC

Electrical/Optical Characteristics at T_A=25°C

PART NUMBER	LED CHIP		LEN'S COLOR	PEAK WAVELENGTH @20mA(nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE 2θ _{1/2} (deg)
	MATERIAL	EMITTING COLOR			TYP.	MAX.	MIN.	TYP.	
LT1871-81	GaAlAs ON GaAs	RED	R.D.	660	1.7	2.2	180	300	36
LT1872-81	GaAlAs ON GaAs	RED	W.D.	660	1.7	2.2	180	300	36
LT1873-81	GaAlAs ON GaAs	RED	W.C.	660	1.7	2.2	600	1000	12
LT1874-81	GaAlAs ON GaAs	RED	R.C.	660	1.7	2.2	600	1000	12
LT1871-81-UR	GaAlAs ON GaAlAs	RED	R.D.	660	1.9	2.5	360	600	36
LT1872-81-UR	GaAlAs ON GaAlAs	RED	W.D.	660	1.9	2.5	360	600	36
LT1873-81-UR	GaAlAs ON GaAlAs	RED	W.C.	660	1.9	2.5	1200	2000	12
LT1874-81-UR	GaAlAs ON GaAlAs	RED	R.C.	660	1.9	2.5	1200	2000	12

(1) LENS COLOR

R.D. RED DIFFUSED

W.D. WHITE DIFFUSED

R.C. RED CLEAR

W.C. WATER CLEAR

(2) SPECIFICATIONS ARE SUBJECT TO CHANGE

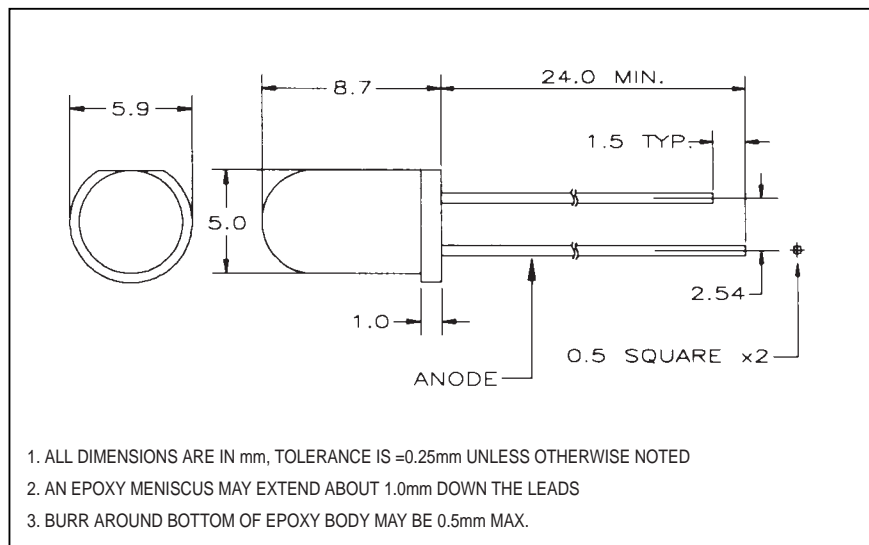
WITHOUT NOTICE.

(3) ALL ABOVE COMPONENTS ARE CONSIDERED.

DEVIATIONS FROM STATED SPECIFICATIONS WILL

REQUIRE A NEW PART NUMBER BE ASSIGNED.

Package Dimensions



Radiation Pattern

