

### Features

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

### Absolute Maximum Ratings at T<sub>A</sub>=25°C

REVERSE VOLTAGE .....	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<sub>A</sub>=25°C

PART NUMBER	LED CHIP		LEN'S COLOR	PEAK WAVELENGTH @20mA(nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE 2θ <sub>1/2</sub> (deg)
	MATERIAL	EMITTING COLOR			TYP.	MAX.	MIN.	TYP.	
LT9871-81	GaAlAs ON GaAs	RED	R.D.	660	1.7	2.2	180	300	39
LT9872-81	GaAlAs ON GaAs	RED	W.D.	660	1.7	2.2	180	300	39
LT9873-81	GaAlAs ON GaAs	RED	W.C.	660	1.7	2.2	600	1000	28
LT9874-81	GaAlAs ON GaAs	RED	R.C.	660	1.7	2.2	600	1000	28
LT9871-81-UR	GaAlAs	RED	R.D.	660	1.7	2.2	360	600	39
LT9872-81-UR	GaAlAs	RED	W.D.	660	1.7	2.2	360	600	39
LT9873-81-UR	GaAlAs	RED	W.C.	660	1.7	2.2	1200	2000	28
LT9874-81-UR	GaAlAs	RED	R.C.	660	1.7	2.2	1200	2000	28

(1) LENS COLOR

R.D. RED DIFFUSED

W.D. WHITE DIFFUSED

R.C. RED CLEAR

W.C. WATER CLEAR

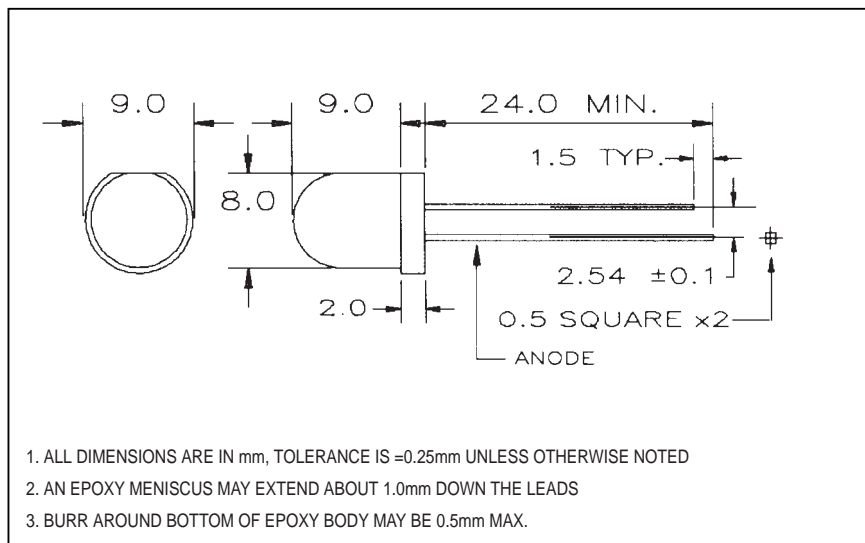
(2) SPECIFICATIONS ARE SUBJECT TO CHANGE

WITHOUT NOTICE.

(3) ALL ABOVE COMPONENTS ARE CONSIDERED.

DEVIATIONS FROM STATED SPECIFICATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED.

### Package Dimensions



### Radiation Pattern

