

### 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 3 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.	
LT0271-A7	GaAlAs ON GaAs	RED	R.D.	660	1.7	2.2	21.0	35.0	74
LT0272-A7	GaAlAs ON GaAs	RED	W.D.	660	1.7	2.2	21.0	35.0	74
LT0273-A7	GaAlAs ON GaAs	RED	W.C.	660	1.7	2.2	71.0	118.0	36
LT0274-A7	GaAlAs ON GaAs	RED	R.C.	660	1.7	2.2	71.0	118.0	36
LT0271-A7-UR	GaAlAs	RED	R.D.	660	1.7	2.2	42.0	70.0	74
LT0272-A7-UR	GaAlAs	RED	W.D.	660	1.7	2.2	42.0	70.0	74
LT0273-A7-UR	GaAlAs	RED	W.C.	660	1.7	2.2	142.0	236.0	36
LT0274-A7-UR	GaAlAs	RED	R.C.	660	1.7	2.2	142.0	236.0	36

(1) LENS COLOR

R.D. RED DIFFUSED

W.D. WHITE DIFFUSED

R.C. RED CLEAR

W.C. WATER CLEAR

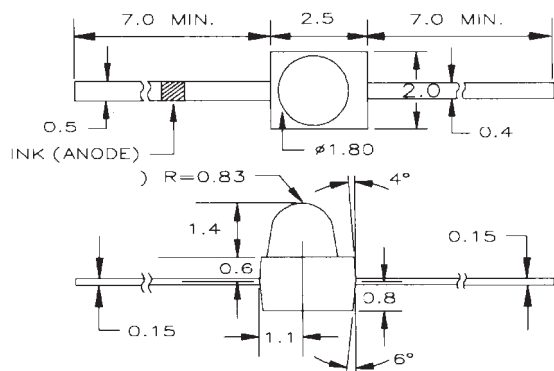
(2) SPECIFICATIONS ARE SUBJECT TO CHANGE

WITHOUT NOTICE.

(3) ALL ABOVE COMPONENTS ARE CONSIDERED.

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

### Package Dimensions



1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED
2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.0mm DOWN THE LEADS
3. BURR AROUND BOTTOM OF EPOXY BODY MAY BE 0.5mm MAX.

### Radiation Pattern

