



# LT337X-81-S

# 10.0MM SUPERBRIGHT RED AND ULTRABRIGHT RED LAMP

## 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 (<100 μA).....	4.0V
D.C. FORWARD CURRENT.....	30mA
PULSE CURRENT (1 μSEC. PULSE, 0.3% DUTY CYCLE).....	100 mA
OPERATING TEMPERATURE RANGE.....S.....	-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.

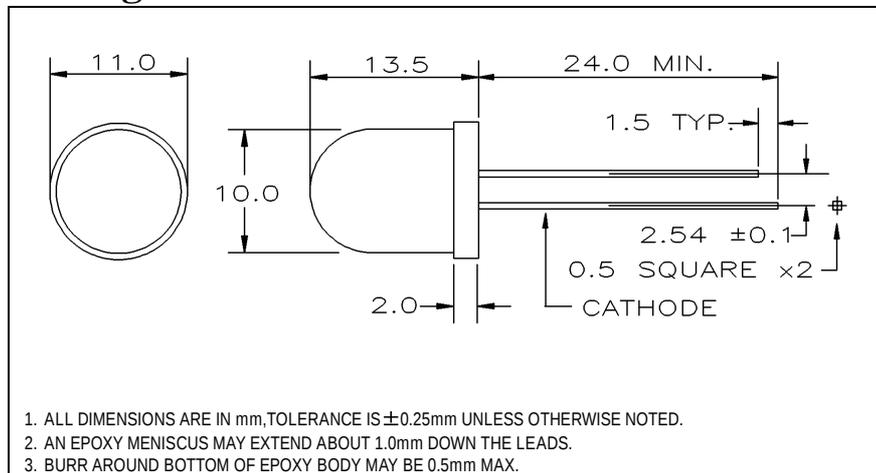
## Electrical/optical characteristics at T<sub>A</sub>=25°C

PART NUMBER	LED CHIP		LEN'S COLOR	PEAK WAVELENGTH @20 mA (nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE 2θ <sub>1/2</sub> (deg)
	MATERIAL	EMITTING COLOR			TYP.	MAX.	MIN.	TYP.	
LT3371-81-S	GaAlAs ON GaAs	RED	R.D.	660	1.7	2.2	70.6	117.6	41
LT3372-81-S	GaAlAs ON GaAs	RED	W.D.	660	1.7	2.2	70.6	117.6	41
LT3373-81-S	GaAlAs ON GaAs	RED	W.C.	660	1.7	2.2	24.0	400	26
LT3374-81-S	GaAlAs ON GaAs	RED	R.C.	660	1.7	2.2	24.0	400	26
LT3371-81-UR-S	GaAlAs ON GaAlAs	RED	R.D.	660	1.9	2.5	148.3	247.1	41
LT3372-81-UR-S	GaAlAs ON GaAlAs	RED	W.D.	660	1.9	2.5	148.3	247.1	41
LT3373-81-UR-S	GaAlAs ON GaAlAs	RED	W.C.	660	1.9	2.5	504.0	840.0	26
LT3374-81-UR-S	GaAlAs ON GaAlAs	RED	R.C.	660	1.9	2.5	504.0	840.0	26

- (1) LEN'S COLOR  
 R.D.....RED DIFFUSED      R.C....RED CLEAR  
 W.D.....WHITE DIFFUSED    W.C....WATER CLEAR

- (2) SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.  
 (3) ALL ABOVE COMPONENTS ARE CONSIDERED . DEVIATIONS FROM STATED SPECIFACATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED .

## Package Dimensions



## Radiation Pattern

