



# LT16XXE-41 1.75X4.0MM RECTANGULAR LAMP (TOP DIFFUSED TYPE)

## Features

- \* LOW CURRENT REQUIREMENTS
- \* HIGH LIGHT OUTPUT
- \* RELIABLE AND RUGGED
- \* IC COMPATIBLE

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

REVERSE VOLTAGE (<100μ A).....	GaAsP RED 3.0 V , OTHER 5.0V
D.C. FORWARD CURRENT.....	30mA
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

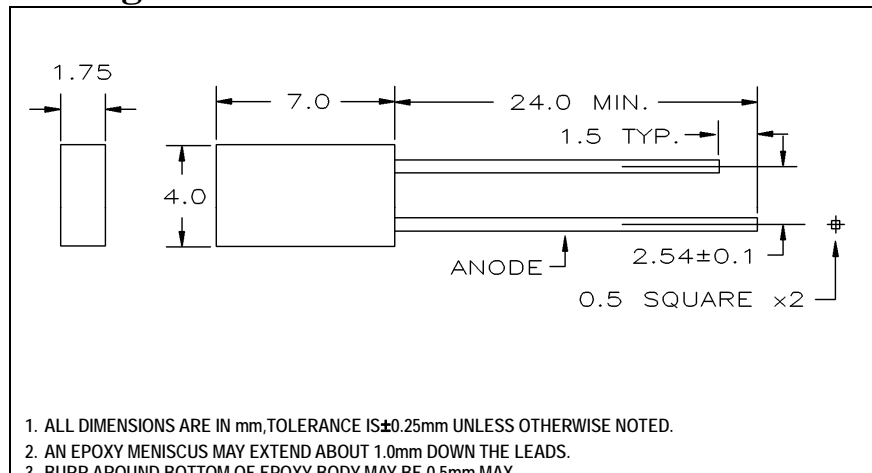
## Electrical/optical characteristics at T<sub>A</sub>=25°C

PART NUMBER		LED CHIP		LEN'S COLOR		PEAK WAVELENGTH @20 mA (nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE 2θ <sup>1/2</sup> (deg)
		MATERIAL	EMITTING COLOR				TYP.	MAX.	MIN.	TYP.	
LT1611E-41	LT1612E-41	GaAsP	RED	R.D	W.D	655	1.7	2.0	1.1	1.8	74
LT1611GE-41	LT1612GE-41	GaP	RED	R.D	W.D	700	2.1	3.0	1.6	2.7	74
LT1621E-41	LT1622E-41	GaP	GREEN	G.D	W.D	567	2.1	2.6	4.1	6.8	74
LT1631E-41	LT1632E-41	GaAsP ON GaP	YELLOW	Y.D	W.D	585	2.1	3.0	3.4	5.6	74
LT1641E-41	LT1642E-41	GaAsP ON GaP	ORANGE	O.D	W.D	635	2.1	3.0	4.7	7.9	74
LT1641RE-41		GaAsP ON GaP	ORANGE	R.D		635	2.1	3.0	4.7	7.9	74

- (1) LEN'S COLOR  
 R.D.....RED DIFFUSED  
 G.D.....GREEN DIFFUSED  
 Y.D.....YELLOW DIFFUSED  
 O.D.....ORANGE DIFFUSED  
 W.D.....WHITE DIFFUSED

- (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

