



LT4CXE-81

5.0X5.0MM SQUARE LAMP (TOP DIFFUSED TYPE)

Feature

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

Absolute Maximum Ratings at $T_A=25^\circ\text{C}$

REVERSE VOLTAGE.....GaAsP RED 3.0V,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

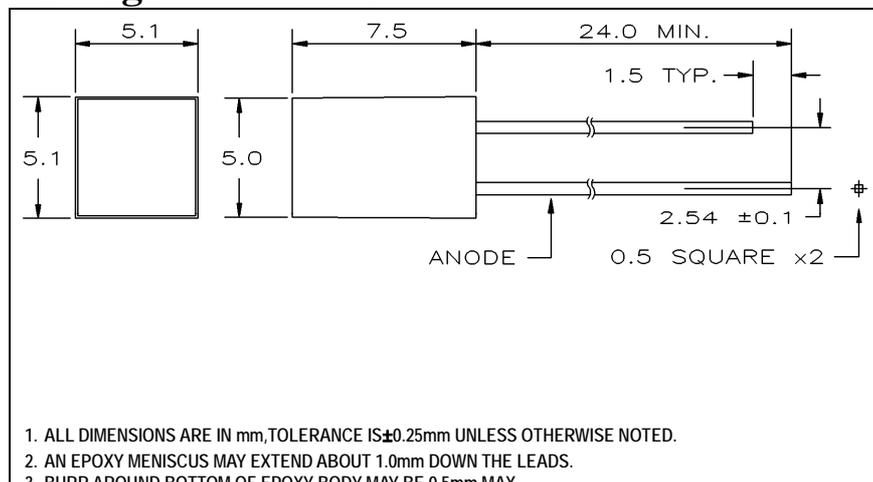
Electrical/optical characteristics at $T_A=25^\circ\text{C}$

PART NUMBER		LED CHIP		LEN'S COLOR		PEAK WAVELENGTH @20 mA (nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE $2\theta_{1/2}$ (deg)
		MATERIAL	EMITTING COLOR				TYP.	MAX.	MIN.	TYP.	
LT4C11E-81	LT4C12E-81	GaAsP	RED	R.D	W.D	655	1.7	2.0	0.8	1.4	88
LT4C11GE-81	LT4C12GE-81	GaP	RED	R.D	W.D	700	2.1	3.0	1.2	2.0	88
LT4C21E-81	LT4C22E-81	GaP	GREEN	G.D	W.D	567	2.1	2.6	3.1	5.2	88
LT4C31E-81	LT4C32E-81	GaAsP ON GaP	YELLOW	Y.D	W.D	585	2.1	3.0	2.6	4.3	88
LT4C41E-81	LT4C42E-81	GaAsP ON GaP	ORANGE	O.D	W.D	635	2.1	3.0	3.7	6.1	88
LT4C41RE-81		GaAsP ON GaP	ORANGE	R.D		635	2.1	3.0	3.7	6.1	88

- (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 SPECIFACATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED .

Package Dimensions



Radiation Pattern

