



LT4VXX-41

1.8MM CYLINDRIC LAMP (STEP 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 ($<100 \mu\text{A}$).....	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 $+85^{\circ}\text{C}$
STORAGE TEMPERATURE RANGE.....	-25°C TO $+100^{\circ}\text{C}$
LEAD SOLDERING TEMP. (1.6mm FROM BODY).....	260°C FOR 5 SEC.

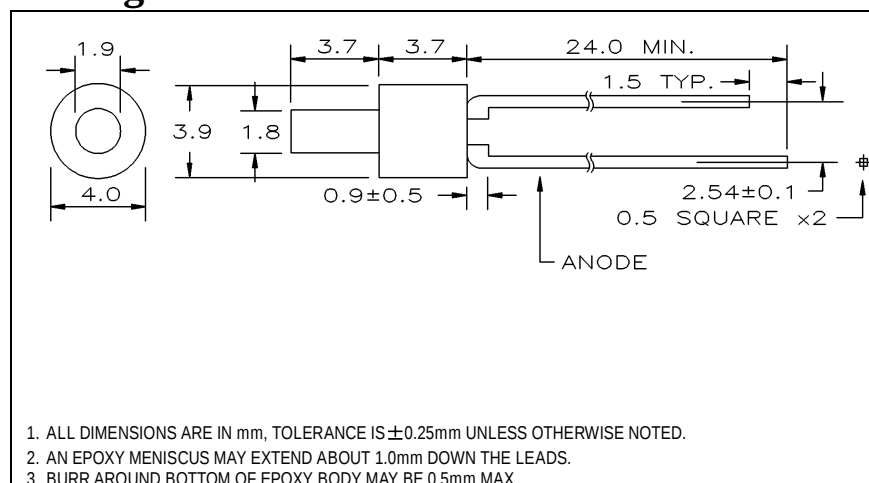
Electrical/optical characteristics at $T_A=25^{\circ}\text{C}$

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.	
LT4V11-41	LT4V12-41	GaAsP	RED	R.D	W.D	655	1.7	2.0	1.1	1.8	96
LT4V11G-41	LT4V12G-41	GaP	RED	R.D	W.D	700	2.1	3.0	1.6	2.7	96
LT4V21-41	LT4V22-41	GaP	GREEN	G.D	W.D	567	2.1	2.6	4.2	7.0	96
LT4V31-41	LT4V32-41	GaAsP ON GaP	YELLOW	Y.D	W.D	585	2.1	3.0	3.5	5.9	96
LT4V41-41	LT4V42-41	GaAsP ON GaP	ORANGE	O.D	W.D	635	2.1	3.0	4.9	8.1	96
LT4V41R-41		GaAsP ON GaP	ORANGE	R.D		635	2.1	3.0	4.7	8.1	96

- (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

