

Features

- * 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 $T_A=25^{\circ}\text{C}$

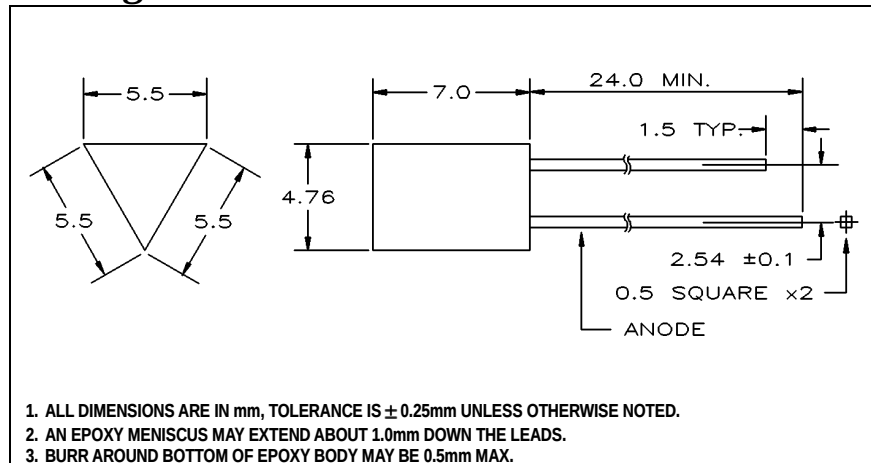
PART NUMBER	LED CHIP	MATERIAL	EMITTING COLOR	LENS COLOR	PEAK WAVELENGTH @20 mA (nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE $2\theta_{1/2}$ (deg)
						TYP.	MAX.	MIN.	TYP.	
LT6M11-81-D01	LT6M12-81-D01	GaAsP	RED	R.D W.D	655	1.7	2.0	1.2	2.0	100
LT6M11-81	LT6M12-81	GaP	RED	R.D W.D	700	2.1	2.6	1.8	3.0	100
LT6M21-81	LT6M22-81	GaP	GREEN	G.D W.D	572	2.1	2.6	4.7	7.8	100
LT6M31-81	LT6M32-81	GaAsP	YELLOW	Y.D W.D	589	2.1	2.6	3.8	6.4	100
LT6M41-81	LT6M42-81	GaAsP	ORANGE	O.D W.D	630	2.1	2.6	5.4	9.0	100
LT6M41R-81		GaAsP	ORANGE	R.D	630	2.1	2.6	5.4	9.0	100

- (1) LENS 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

