



LT02XX-A7-LC

1.8mm ϕ AXIAL LED LAMP (LOW CURRENT TYPE)

Features

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

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

REVERSE VOLTAGE (<math> <100 \mu\text{A}</math>)	5.0V
D.C. FORWARD CURRENT	30 mA
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 SEC.

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

PART NUMBER		LED CHIP		LEN'S COLOR		PEAK WAVELENGTH @2mA(nm)	FORWARD VOLTAGE @2mA(V)		LUMINOUS INTENSITY @2mA(mcd)		VIEW ANGLE $2\theta_{1/2}$ (deg)
		MATERIAL	EMITTING COLOR				TYP.	MAX.	MIN.	TYP.	
LT0221-A7-LC	LT0222-A7-LC	Gap	GREEN	G.D.	W.D.	567	1.8	2.2	0.7	1.1	74
LT0231-A7-LC	LT0232-A7-LC	GaAsP ON GaP	YELLOW	Y.D.	W.D.	585	1.8	2.2	0.5	0.9	74
LT0241-A7-LC	LT0242-A7-LC	GaAsP ON GaP	ORANGE	O.D.	W.D.	635	1.8	2.2	0.8	1.3	74
LT0241R-A7-LC		GaAsP ON GaP	ORANGE	R.D.		635	1.8	2.2	0.8	1.3	74
LT0223-A7-LC	LT0224-A7-LC	Gap	GREEN	W.C.	G.C.	567	1.8	2.2	1.1	1.9	36
LT0233-A7-LC	LT0234-A7-LC	GaAsP ON GaP	YELLOW	W.C.	Y.C.	585	1.8	2.2	0.9	1.5	36
LT0243-A7-LC	LT0244-A7-LC	GaAsP ON GaP	ORANGE	W.C.	O.C.	635	1.8	2.2	1.3	2.2	36
	LT0244R-A7-LC	GaAsP ON GaP	ORANGE		R.C.	635	1.8	2.2	1.3	2.2	36

(1) LEN'S COLOR

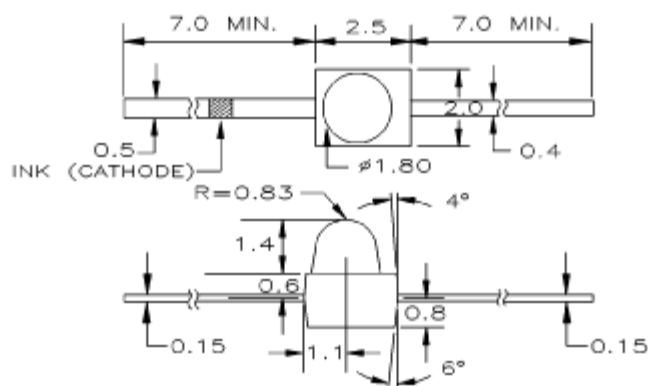
- R.D.....RED DIFFUSED
- Y.D.....YELLOW DIFFUSED
- W.D.... WHITE DIFFUSED
- G.D....GREEN DIFFUSED
- O.D....ORANGE DIFFUSED

- W.C....WATER CLEAR
- R.C.....RED CLEAR
- Y.C.....YELLOW CLEAR
- G.C.....GREEN CLEAR
- O.C.....ORANGE CLEAR

(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



1. ALL DIMENSIONS ARE IN mm. TOLERANCE IS $\pm 0.25\text{mm}$ UNLESS OTHERWISE NOTED.
2. AN EPOXY MENISCUS MAY EXTEND ABOUT 1.0mm DOWN THE LEADS.
3. BURR AROUND BOTTOM OF EPOXY BODY MAY BE 0.5mm MAX.

Radiation Pattern

