

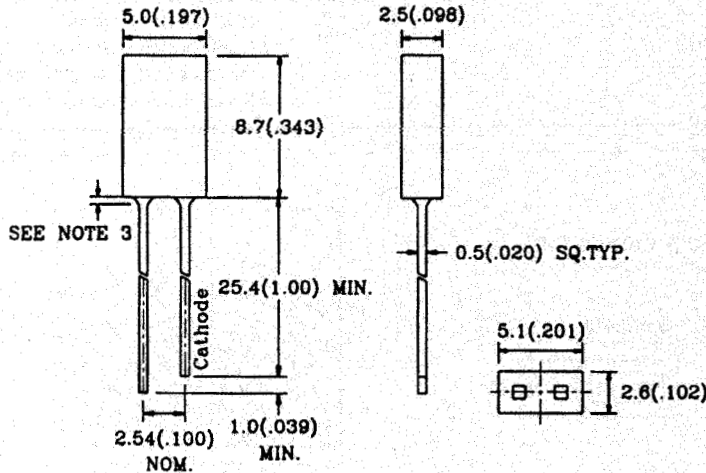
# L-4C3XX series ...

## 2.5x5.0x8.6mm Rectangular LED LAMP

### MAIN FEATURES :

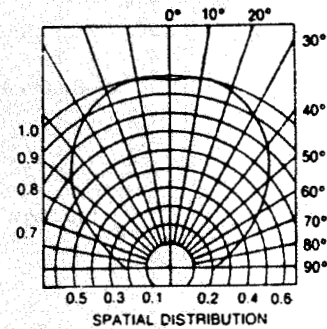
- ⊙ 2.5x5.0x8.6mm Rectangular LED LAMP
- ⊙ STANDARD 1" LEAD
- ⊙ I.C. COMPATIBLE
- ⊙ LONG LIFE-SOLID STATE RELIABILITY
- ⊙ LOW POWER CONSUMPTION

### ◆ PACKAGE DIMENSIONS



### Notes:

1. All Dimension are in millimeter.
2. Tolerance is  $\pm 0.25\text{mm}(0.010\text{'})$  unless otherwise specified.
3. Protruded resin under flange is 1.5mm(0.59") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specification are subject to change without notice.



### ◆ SELECTION GUIDE AND APPLICATION INFORMATION ( RATINGS AT 25°C AMBIENT )

Part No.	Chip		Lens Color	Wave					Electro-Optical Characteristics				View Angle (deg)		
	Raw Material	Emitted Color		Length $\lambda$	$\Delta \lambda$	Pd	If	If (Peak)	Vf (V) Min.	Vf (V) Typ.	Vf (V) Max.	If (Rec)		Iv (mcd) Min.	Iv (mcd) Typ.
L-4C3HD	GaP	Bright Red	Red Diffused	700	90	45	15	50	1.7	2.1	2.8	5~10	0.8	2.0	120
L-4C3ED	GaAsP/GaP	Hi. effi Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	10.0	120
L-4C3ED-E	GaAsP/GaP	Orange	Orange Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	10.0	120
L-4C3GD	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	2.0	8.0	120
L-4C3YD	GaAsP/GaP	Yellow	Yellow Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	8.0	120
L-4C3AD	GaAsP/GaP	Amber	Amber Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	8.0	120
L-4C3I D	GaAlAs	Hi. effi Red	Red Diffused	625	20	60	20	160	1.6	1.8	2.1	10~20	10.0	30.0	120
L-4C3SRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	30.0	80.0	120
L-4C3LRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	80.0	120	120
L-4C3URD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	120	200	120
L-4C3HDT	GaP	Bright Red	Red Trans.+Diff.	700	90	45	15	50	1.7	2.1	2.8	5~10	0.8	2.0	120
L-4C3EDT	GaAsP/GaP	Hi. effi Red	Red Trans.+Diff.	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	10.0	120
L-4C3EDT-E	GaAsP/GaP	Orange	Orange Trans.+Diff.	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	10.0	120
L-4C3GDT	GaP	Green	Green Trans.+Diff.	565	30	100	30	160	1.7	2.1	2.8	10~20	2.0	8.0	120
L-4C3YDT	GaAsP/GaP	Yellow	Yellow Trans.+Diff.	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	8.0	120
L-4C3ADT	GaAsP/GaP	Amber	Amber Trans.+Diff.	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	8.0	120
L-4C3I DT	GaAlAs	Hi. effi Red	Red Trans.+Diff.	625	20	60	20	160	1.6	1.8	2.1	10~20	10.0	30.0	120
L-4C3SRDT	GaAlAs	Super Red	Red Trans.+Diff.	660	20	60	20	160	1.6	1.8	2.1	10~20	30.0	80.0	120
L-4C3LRDT	GaAlAs	Super Red	Red Trans.+Diff.	660	20	60	20	160	1.6	1.8	2.1	10~20	80.0	120	120
L-4C3URDT	GaAlAs	Super Red	Red Trans.+Diff.	660	20	60	20	160	1.6	1.8	2.1	10~20	120	200	120

Remark : Trans.+Diff. :Body Transparent & Top Diffused

### ◆ ABSOLUTE MAXIMUM RATING: (Ta=25°C)

Reverse Voltage	: 5 Volt
Reverse Current( Vr = 5V )	: 10 $\mu$ A
Operating Temperature Range	: -40°C to +85°C
Storage Temperature Range	: -40°C to +100°C
Lead Soldering Temperature	: 260°C for 5 Seconds
(1.6mm(1/16inch) from body)	

### ◆ ELECTRO-OPTICAL CHARACTERISTICS: (Ta=25°C)

Para meter Description	Symbol	Unit
Spectral Line half-Width	$\Delta \lambda$	nm
Power Dissipation	Pd	mW
Peak Forward Current (Duty 1/10,@KHz)	If(Peak)	mA
Recommended Operation Current	If(Rec)	mA
Average Luminuous intensity (If = 10mA)	Iv	mcd