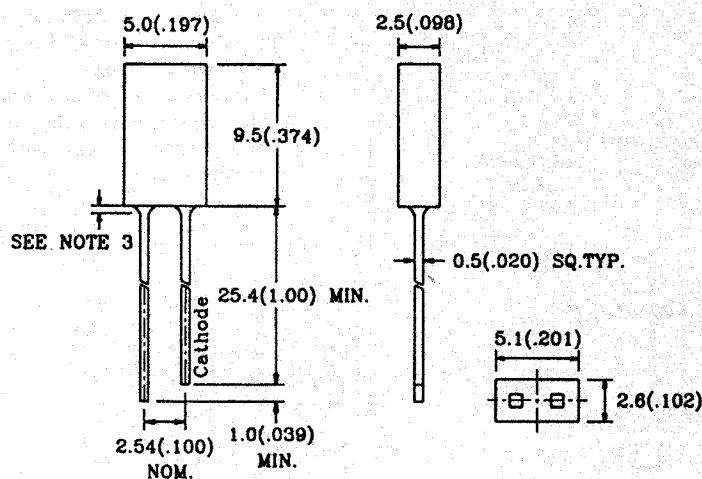


L-463XX series ... 2.5x5.0x9.5mm Rectangular LED LAMP

MAIN FEATURES :

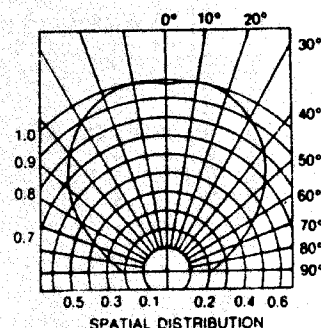
- ⊙ 2.5x5.0x9.5mm Rectangular LED LAMP
- ⊙ STANDARD 1" LEAD
- ⊙ I.C. COMPATIBLE
- ⊙ LONG LIFE-SOLID STATE RELIABILITY
- ⊙ LOW POWER CONSUMPTION

◆ PACKAGE DIMENSIONS



Notes:

1. All Dimension are in millimeter.
2. Tolerance is $\pm 0.25\text{mm}(0.010")$ 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 Length λ p(nm)	Absolute Maximum Ratings				Electro-Optical Characteristics						View Angle (deg)
	Raw Material	Emitted Color			$\Delta \lambda$ nm	Pd mW	If mA	If (Peak)	Vf(V)			If (mcd)			
									Min.	Typ.	Max.	(Rec)	Min.	Typ.	
L-463HD	GaP	Bright Red	Red Diffused	700	90	45	15	50	1.7	2.1	2.8	5~10	0.8	1.5	120
L-463ED	GaAsP/GaP	Hi. effi Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	12.0	120
L-463ED-E	GaAsP/GaP	Orange	Orange Dffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	12.0	120
L-463GD	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	120
L-463YD	GaAsP/GaP	Yellow	Yellow Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	120
L-463AD	GaAsP/GaP	Amber	Amber Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	120
L-463ID	GaAlAs	Hi. effi Red	Red Diffused	625	20	60	20	160	1.6	1.8	2.1	10~20	12.0	30.0	120
L-463SRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	30.0	80.0	120
L-463LRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	80.0	120	120
L-463URD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	120	200	120
L-463HDT	GaP	Bright Red	Red Trans.+Diff.	700	90	45	15	50	1.7	2.1	2.8	5~10	0.8	1.5	120
L-463EDT	GaAsP/GaP	Hi. effi Red	Red Trans.+Diff.	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	12.0	120
L-463EDT-E	GaAsP/GaP	Orange	Orange Trans.+Diff.	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	12.0	120
L-463GDT	GaP	Green	Green Trans.+Diff.	565	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	120
L-463YDT	GaAsP/GaP	Yellow	Yellow Trans.+Diff.	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	120
L-463ADT	GaAsP/GaP	Amber	Amber Trans.+Diff.	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	120
L-463IDT	GaAlAs	Hi. effi Red	Red Trans.+Diff.	625	20	60	20	160	1.6	1.8	2.1	10~20	12.0	30.0	120
L-463SRDT	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-463LRDT	GaAlAs	Super Red	Red Trans.+Diff.	660	20	60	20	160	1.6	1.8	2.1	10~20	80.0	120	120
L-463URDT	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															

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

◆ ABSOLUTE MAXIMUM RATING: (Ta=25°C)

Reverse Voltage	: 5 Volt
Reverse Current(Vr = 5V)	: 10 μ 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