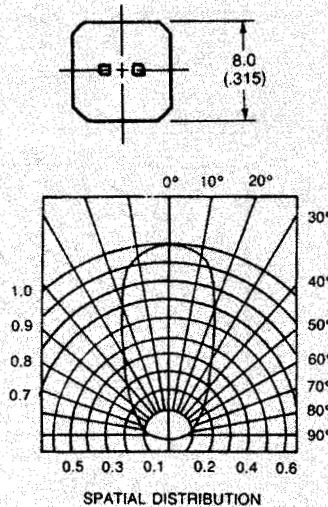
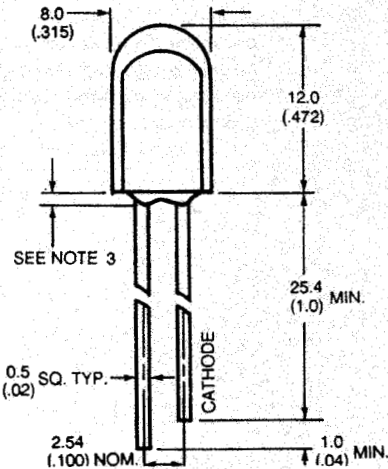


L-803XX series ... 8x8mm SQUARE TYPE LED LAMP

MAIN FEATURES :

- ⊙ 8x8 mm SQUARE TYPE LED LAMP
- ⊙ STANDARD 1" LEAD
- ⊙ I.C. COMPATIBLE
- ⊙ LOW POWER CONSUMPTION
- ⊙ LONG LIFE-SOLID STATE RELIABILITY

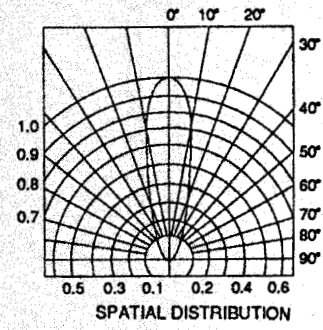
◆ PACKAGE DIMENSIONS



L-803XD

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.



L-803XC&XT

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

Part No.	Chip			Wave Length λ p(nm)	Absolute Maximam Ratings				Electro-Optical Characteristics						View Angle (deg)
	Raw Material	Emitted Color	Lens Color		$\Delta \lambda$ nm	Pd mW	If mA	If (Peak)	Vf(V)			If Iv (mcd)			
									Min.	Typ.	Max.	(Rec)	Min.	Typ.	
L-803ED	GaAsP/GaP	Hi.effi Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	8.0	20.0	50
L-803ED-E	GaAsP/GaP	Orange	Orange Dffused	635	45	100	30	160	1.7	2.0	2.8	10~20	8.0	20.0	50
L-803GD	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0	50
L-803YD	GaAsP/GaP	Yellow	Yellow Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0	50
L-803AD	GaAsP/GaP	Amber	Amber Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0	50
L-803I D	GaAlAs	Hi.effi Red	Red Diffused	625	20	60	20	160	1.6	1.8	2.1	10~20	20.0	50.0	50
L-803SRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	50.0	200	50
L-803LRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	200	300	50
L-803URD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	300	500	50
L-803ET	GaAsP/GaP	Hi.effi Red	Red Transparent.	635	45	100	30	160	1.7	2.0	2.8	10~20	15.0	50.0	30
L-803ET-E	GaAsP/GaP	Orange	Orange Transparent	635	45	100	30	160	1.7	2.0	2.8	10~20	15.0	50.0	30
L-803GT	GaP	Green	Green Transparent	565	30	100	30	160	1.7	2.1	2.8	10~20	10.0	25.0	30
L-803YT	GaAsP/GaP	Yellow	Yellow Transparent	585	30	100	30	160	1.7	2.1	2.8	10~20	10.0	25.0	30
L-803AT	GaAsP/GaP	Amber	Amber Transparent	585	30	100	30	160	1.7	2.1	2.8	10~20	10.0	25.0	30
L-803I T	GaAlAs	Hi.effi Red	Red Transparent	625	20	60	20	160	1.6	1.8	2.1	10~20	50.0	120	30
L-803SRT	GaAlAs	Super Red	Red TTransparent	660	20	60	20	160	1.6	1.8	2.1	10~20	120	250	30
L-803LRT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	250	450	30
L-803URT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	450	600	30

◆ 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 Luminous intensity (If = 10mA)	Iv	mcd