

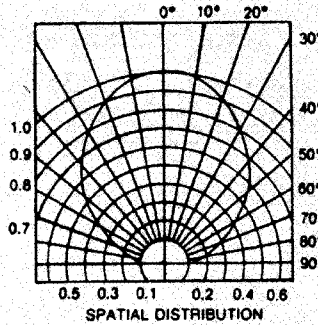
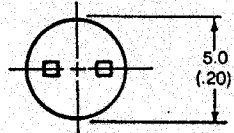
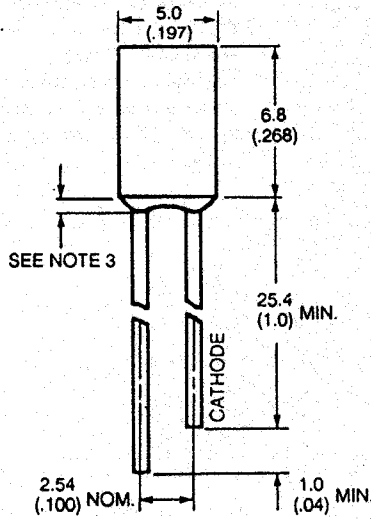
L-5C3XX series ...

5mm Dia CYLINDRICAL TYPE LED LAMP LOW PROFILE

MAIN FEATURES :

- ⊙ 5mm DIA CYLINDRICAL TYPE LED LAMP
- ⊙ STANDARD 1" LEAD
- ⊙ I.C. COMPATIBLE
- ⊙ LOW POWER CONSUMPTION
- ⊙ LONG LIFE-SOLID STATE RELIABILITY

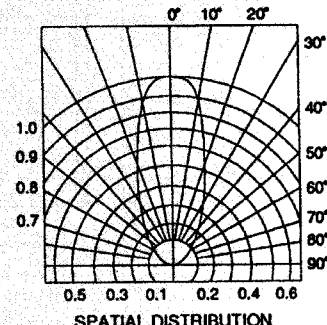
◆ PACKAGE DIMENSIONS



L-5C3XD

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.



L-5C3XC

◆ 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 λ	Δ	λ	Pd	If	If	Vf(V)				If	Iv
				(nm)	(nm)	(mW)	(mA)	(Peak)	Min.	Typ.	Max.	(Rec)	Min.	Typ.	
L-5C3HD	GaP	Bright Red	Red Diffused	700	90	45	15	50	1.7	2.1	2.8	5~10	0.6	3.0	100
L-5C3ED	GaAsP/GaP	Hi. effi Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	15.0	100
L-5C3ED-E	GaAsP/GaP	Orange	Orange Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	15.0	100
L-5C3GD	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	2.5	8.0	100
L-5C3YD	GaAsP/GaP	Yellow	Yellow Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	2.5	8.0	100
L-5C3AD	GaAsP/GaP	Amber	Amber Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	2.5	8.0	100
L-5C3I D	GaAlAs	Hi. effi Red	Red Diffused	625	20	60	20	160	1.6	1.8	2.1	10~20	15.0	30.0	100
L-5C3SRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	30.0	80.0	100
L-5C3LRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	80.0	150	100
L-5C3URD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	150	200	100
L-5C3HC	GaP	Bright Red	Water Clear	700	90	45	15	50	1.7	2.1	2.8	5~10	4.0	12.0	40
L-5C3EC	GaAsP/GaP	Hi. effi Red	Water Clear	635	45	100	30	160	1.7	2.0	2.8	10~20	10.0	40.0	40
L-5C3GC	GaP	Green	Water Clear	565	30	100	30	160	1.7	2.1	2.8	10~20	6.0	20.0	40
L-5C3YC	GaAsP/GaP	Yellow	Water Clear	585	30	100	30	160	1.7	2.1	2.8	10~20	6.0	20.0	40
L-5C3I C	GaAlAs	Hi. effi Red	Water Clear	625	20	60	20	160	1.6	1.8	2.1	10~20	40.0	80.0	40
L-5C3SRC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	80.0	150	40
L-5C3LRC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	150	300	40
L-5C3URC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	300	500	40

◆ 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)

Parameter 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