

L-170XX series ... 1.7mm AXIAL LED LAMP

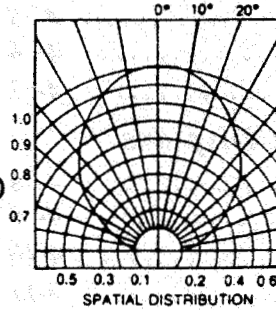
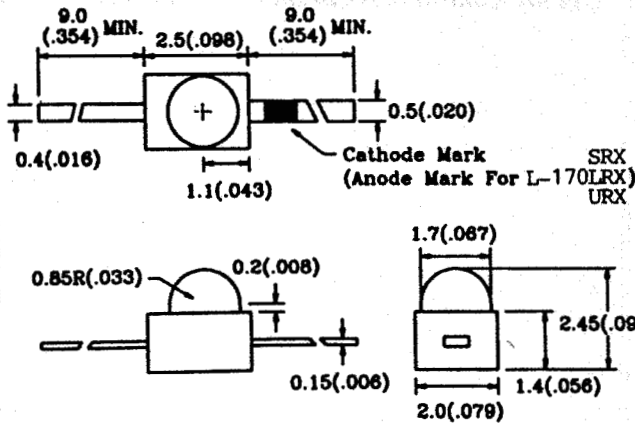
MAIN FEATURES :

- ⊙ LOW CURRENT REQUIREMENT
- ⊙ WIDE VIEWING ANGLE
- ⊙ AXIAL LEADS
- ⊙ LOW POWER CONSUMPTION
- ⊙ LONG LIFE SOLID STATE RELIABILITY

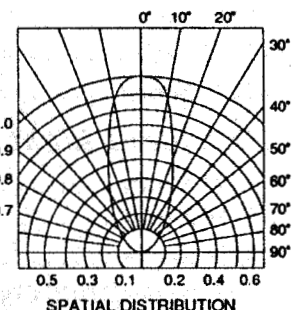
◆ PACKAGE DIMENSIONS

Notes:

1. All Dimension are in millimeter.
2. Tolerance is $\pm 0.25\text{mm}(0.010")$ unless otherwise specified.
3. Specification are subject to change without notice.



L-170XD



L-170XT&XC

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

Part No.	Chip			Wave Length λ p(nm)	Absolute Maximum Ratings				Electro-Optical Characteristics						View Angle (deg)
	Raw Material	Emitted Color	Lens Color		Δ λ nm	Pd mW	If mA	If (Peak)	Vf(V)			If Iv (mcd)			
									Min.	Typ.	Max.	(Rec)	Min.	Typ.	
L-170HD	GaP	Bright Red	Red Diffused	700	90	45	15	50	1.7	2.1	2.8	5~10	2.0	3.0	100
L-170ED	GaAsP/GaP	Hi. effi Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	6.0	100
L-170GD	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	3.0	5.0	100
L-170YD	GaAsP/GaP	Yellow	Yellow Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	3.0	5.0	100
L-170SRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	6.0	10.0	100
L-170LRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	10.0	20.0	100
L-170URD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	20.0	30.0	100
L-170HT	GaP	Bright Red	Red Transparent	700	90	45	15	50	1.7	2.1	2.8	5~10	2.4	3.5	40
L-170ET	GaAsP/GaP	Hi. effi Red	Red Transparent	635	45	100	30	160	1.7	2.0	2.8	10~20	4.0	7.0	40
L-170GT	GaP	Green	Green Transparent	565	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	40
L-170YT	GaAsP/GaP	Yellow	Yellow Transparent	585	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	40
L-170SRT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	7.0	15.0	40
L-170LRT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	15.0	25.0	40
L-170URT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	25.0	40.0	40
L-170HC	GaP	Bright Red	Water Clear	700	90	45	15	50	1.7	2.1	2.8	5~10	2.4	3.5	40
L-170EC	GaAsP/GaP	Hi. effi Red	Water Clear	635	45	100	30	160	1.7	2.0	2.8	10~20	4.0	7.0	40
L-170GC	GaP	Green	Water Clear	565	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	40
L-170YC	GaAsP/GaP	Yellow	Water Clear	585	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	40
L-170SRC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	7.0	15.0	40
L-170LRC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	15.0	25.0	40
L-170URC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	25.0	40.0	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)

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