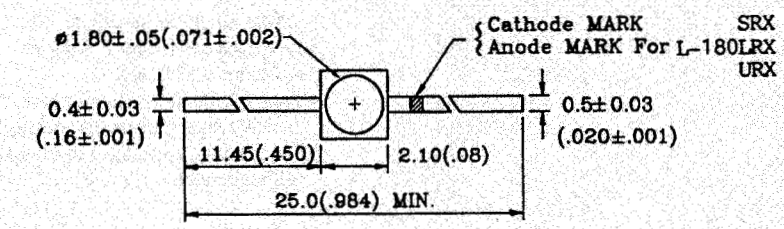
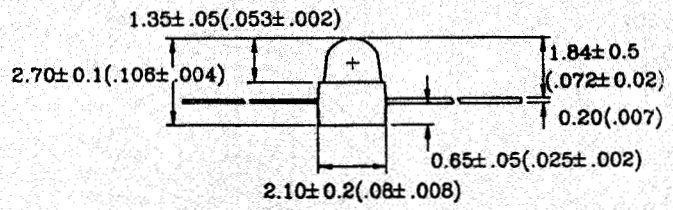
L-180XX series ...

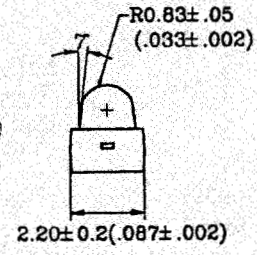
1.8 mm AXIAL LED LAMP

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

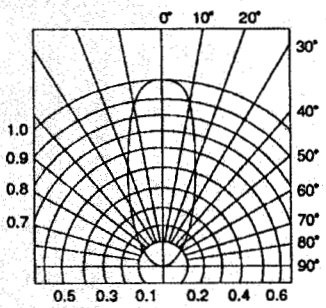
◆PACKAGE DIMENSIONS







Notes:
1. All Dimension are in millimeter.
2. Tolerance is ±0.25mm(0.010") unless otherwise specified.
3. Specification are subject to change without notice.



SPATIAL DISTRIBUTION

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

Part No.	Chip: Raw Material	Chip: Emitted Color	Lens Color	Wave Length λ p(nm)	Absolute Maximun Ratings: △λ nm	Pd mW	If mA	If (Peak)	Electro-Optical Characteristics: Vf(V) Min.	Vf(V) Typ.	Vf(V) Max.	If (Rec)	Iv (mcd) Min.	Iv (mcd) Typ.	View Angle (deg)
L-180HT	GaP	Bright Red	Red Transparent	700	90	45	15	50	1.7	2.1	2.8	5~10	2.4	3.5	40
L-180ET	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-180GT	GaP	Green	Green Transparent	565	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	40
L-180YT	GaAsP/GaP	Yellow	Yellow Transparent	585	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	40
L-180SRT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	7.0	15.0	40
L-180LRT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	15.0	25.0	40
L-180URT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	25.0	40.0	40
L-180HC	GaP	Bright Red	Water Clear	700	90	45	15	50	1.7	2.1	2.8	5~10	2.4	3.5	40
L-180EC	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-180GC	GaP	Green	Water Clear	565	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	40
L-180YC	GaAsP/GaP	Yellow	Water Clear	585	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	40
L-180SRC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	7.0	15.0	40
L-180LRC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	15.0	25.0	40
L-180URC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	25.0	40.0	40

◆ABSOLUTE MAXIMUN RATING: (Ta=25°C)

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

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

Para meter Description	Symbol	Unit
Spectral Line half-Width	△λ	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