

L-965XX series ...

3.0x1.5mm Surface Mount LED

MAIN FEATURES :
 ○ LOW CURRENT REQUIREMENT
 ○ I.C. COMPATIBLE
 ○ LOW POWER CONSUMPTION

◆ PACKAGE DIMENSIONS

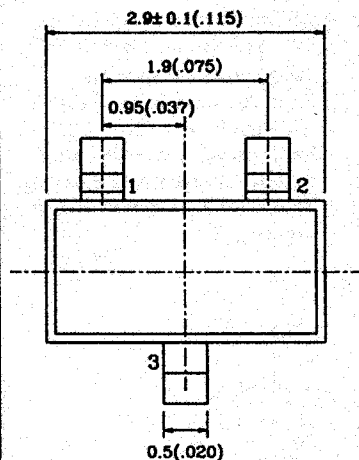


Fig. 1

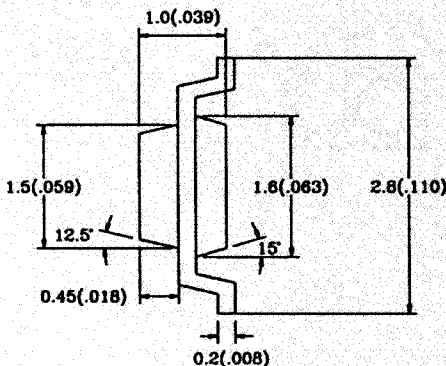
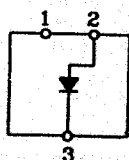


Fig. 2

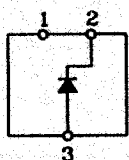
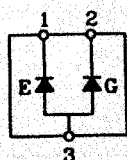
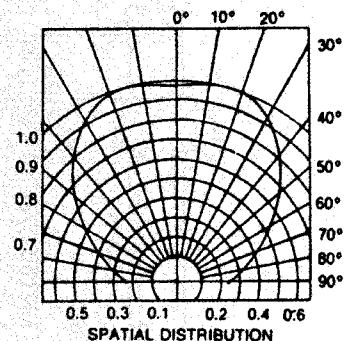


Fig. 3



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-965XC&XT

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

Part No.	Chip			Wave	Absolute Maximum Ratings				Electro-Optical Characteristics						View	
	Raw	Emitted	Lens	Length	$\Delta \lambda$	Pd	If	If	Vf(V)			If	Iv (mcd)	Angle	FIG.	
	Material	Color	Color	λ p(nm)	nm	mW	mA	(Peak)	Min.	Typ.	Max.	(Rec)	Min.	Typ.	(deg)	
L-965HC	GaP	Bright Red	Water Clear	700	90	45	15	50	1.7	2.1	2.8	5~10	2.4	3.5	120	1
L-965EC	GaAsP/GaP	Hi.effi Red	Water Clear	635	45	100	30	160	1.7	2.0	2.8	10~20	4.0	7.0	120	1
L-965GC	GaP	Green	Water Clear	565	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	120	1
L-965YC	GaAsP/GaP	Yellow	Water Clear	585	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	120	1
L-965SRC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	7.0	15.0	120	2
L-965LRC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	15.0	25.0	120	2
L-965HT	GaP	Bright Red	Red Trans.	700	90	45	15	50	1.7	2.1	2.8	5~10	2.4	3.5	120	1
L-965ET	GaAsP/GaP	Hi.effi Red	Red Trans.	635	45	100	30	160	1.7	2.0	2.8	10~20	4.0	7.0	120	1
L-965GT	GaP	Green	Green Trans.	565	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	120	1
L-965YT	GaAsP/GaP	Yellow	Yellow Trans.	585	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	120	1
L-965SRT	GaAlAs	Super Red	Red Trans.	660	20	60	20	160	1.6	1.8	2.1	10~20	7.0	15.0	120	2
L-965LRT	GaAlAs	Super Red	Red Trans.	660	20	60	20	160	1.6	1.8	2.1	10~20	15.0	25.0	120	2
L-965EGC	GaAsP/GaP	Hi.effi Red	Water Clear	635	45	100	30	160	1.7	2.0	2.8	10~20	4.0	7.0	120	3
	GaP	Green		565	30	100	30	160	1.7	2.1	2.8	10~20	4.0	6.0	120	

◆ 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