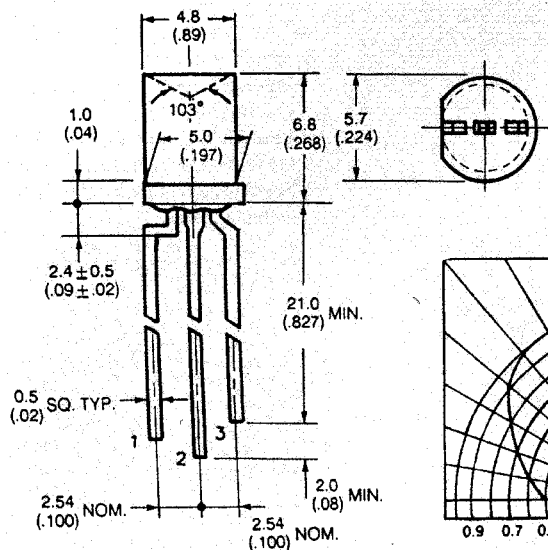


L-559XXW&L-559XXC series.. **5.0mm Dia CYLINDRICAL TYPELED LAMP-** **MULTI COLOR**

MAIN FEATURES :

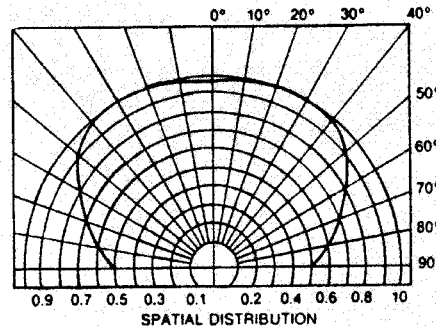
- ⊙5.0mm DIA CYLINDRICAL TYPE LED LAMP
- ⊙LOW POWER CONSUMPTION
- ⊙LONG LIFE-SOLIDSTATE RELIABILITY
- ⊙I. C. COMPATIBLE
- ⊙TWO CHIPS ARE MATCHED FOR UNIFORM LIGHT OUTPUT

◆PACKAGE DIMENSIONS

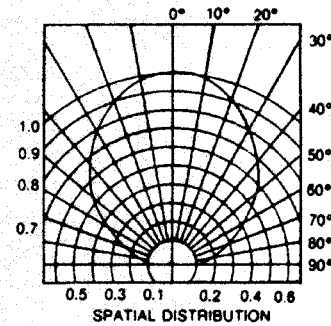


Notes:

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-559XXC



L-559XXW

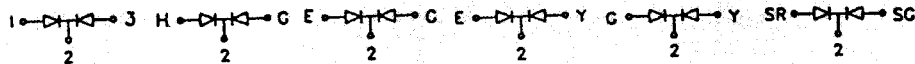


Fig.1

Fig.2

Fig.3

Fig.4

Fig.5

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

Part No.	Chip		Lens Color	Wave Length λ (nm)	Absolute Maximum Ratings				Electro-Optical Characteristics				View Angle		FIG.
	Raw Material	Emitted Color			$\Delta\lambda$ (nm)	Pd (mW)	If (mA)	If (Peak)	Vf(V) Min.	Vf(V) Typ.	Vf(V) Max.	If (Rec)	Iv (mcd) Min.	Iv (mcd) Typ.	
L-559EGW	GaAsP/GaP	Hi.effi Red	White	635	45	100	30	160	1.7	2.0	2.8	10~20	4.0	12.0	2
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	4.0	8.0	2
L-559EYW	GaAsP/GaP	Hi.effi Red	White	635	45	100	30	160	1.7	2.0	2.8	10~20	4.0	12.0	3
	GaAsP/GaP	Yellow	Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	4.0	8.0	3
L-559GYW	GaP	Green	White	565	30	100	30	160	1.7	2.1	2.8	10~20	4.0	8.0	4
	GaAsP/GaP	Yellow	Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	4.0	8.0	4
L-559SRSGW	GaAlAs	Super Red	White	660	20	60	20	160	1.6	1.8	2.1	10~20	30.0	50.0	5
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	10.0	30.0	5
L-559EGC	GaAsP/GaP	Hi.effi Red	Water	635	45	100	30	160	1.7	2.0	2.8	10~20	15.0	30.0	2
	GaP	Green	Clear	565	30	100	30	160	1.7	2.1	2.8	10~20	10.0	25.0	2
L-559EYC	GaAsP/GaP	Hi.effi Red	Water	635	45	100	30	160	1.7	2.0	2.8	10~20	15.0	30.0	3
	GaAsP/GaP	Yellow	Clear	585	30	100	30	160	1.7	2.1	2.8	10~20	10.0	25.0	3
L-559GYC	GaP	Green	Water	565	30	100	30	160	1.7	2.1	2.8	10~20	10.0	25.0	4
	GaAsP/GaP	Yellow	Clear	585	30	100	30	160	1.7	2.1	2.8	10~20	10.0	25.0	4
L-559SRSGC	GaAlAs	Super Red	Water	660	20	60	20	160	1.6	1.8	2.1	10~20	100	150	5
	GaP	Green	Clear	565	30	100	30	160	1.7	2.1	2.8	10~20	30.0	60.0	5

◆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