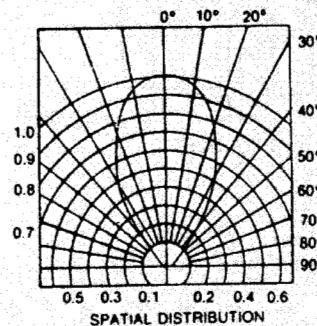
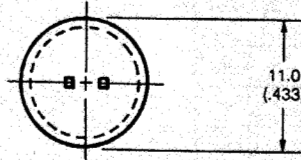
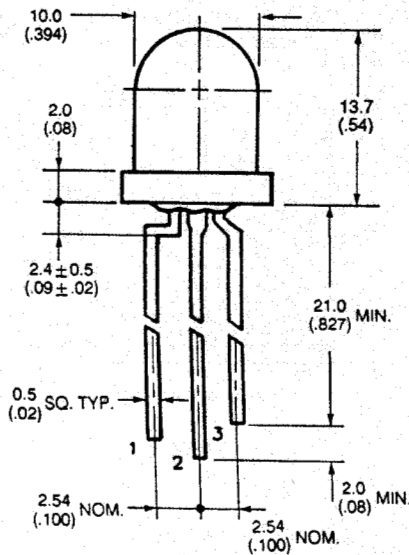


L-839XXW&L-839XXC series... **10.0mm Dia LED LAMP** **-MULTI COLOR**

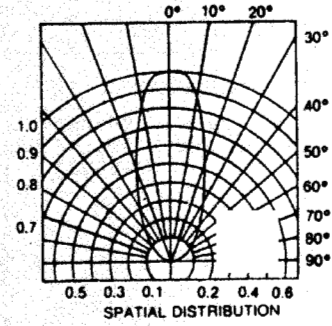
MAIN FEATURES :

- ⊙10.0mm DIA LED LAMP
- ⊙LOW POWER CONSUMPTION
- ⊙LONG LIFE-SOLIDSTATE RELIABILITY
- ⊙I. C. COMPATIBLE
- ⊙TWO CHIPS ARE MATCHED FOR UNIFORM LIGHT OUTPUT

◆PACKAGE DIMENSIONS



L-839XXW



L-839XXC

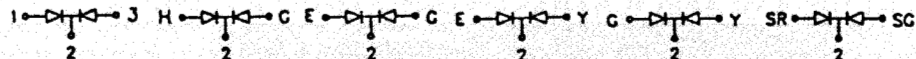


Fig.1

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 (deg)	FIG.
	Raw Material	Emitted Color			$\Delta \lambda$ (nm)	Pd (mW)	If (mA)	If (Peak)	Vf (V)	If (Rec)	Iv (mcd)	Iv (Typ.)	Iv (Max.)		
L-839EGW	GaAsP/GaP	Hi. effi Red	White	635	45	100	30	160	1.7	2.0	2.8	10~20	10.0	20.0	2
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	8.0	15.0	2
L-839EYW	GaAsP/GaP	Hi. effi Red	White	635	45	100	30	160	1.7	2.0	2.8	10~20	10.0	20.0	3
	GaAsP/GaP	Yellow	Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	8.0	15.0	3
L-839GYW	GaP	Green	White	565	30	100	30	160	1.7	2.1	2.8	10~20	8.0	15.0	4
	GaAsP/GaP	Yellow	Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	8.0	15.0	4
L-839SRSGW	GaAlAs	Super Red	White	660	20	60	20	160	1.6	1.8	2.1	10~20	50.0	150	5
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	20.0	50.0	5
L-839EGC	GaAsP/GaP	Hi. effi Red	Water	635	45	100	30	160	1.7	2.0	2.8	10~20	25.0	50.0	2
	GaP	Green	Clear	565	30	100	30	160	1.7	2.1	2.8	10~20	20.0	30.0	2
L-839EYC	GaAsP/GaP	Hi. effi Red	Water	635	45	100	30	160	1.7	2.0	2.8	10~20	25.0	50.0	3
	GaAsP/GaP	Yellow	Clear	585	30	100	30	160	1.7	2.1	2.8	10~20	20.0	30.0	3
L-839GYC	GaP	Green	Water	565	30	100	30	160	1.7	2.1	2.8	10~20	20.0	30.0	4
	GaAsP/GaP	Yellow	Clear	585	30	100	30	160	1.7	2.1	2.8	10~20	20.0	30.0	4
L-839SRSGC	GaAlAs	Super Red	Water	660	20	60	20	160	1.6	1.8	2.1	10~20	300	500	5
	GaP	Green	Clear	565	30	100	30	160	1.7	2.1	2.8	10~20	30.0	150	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