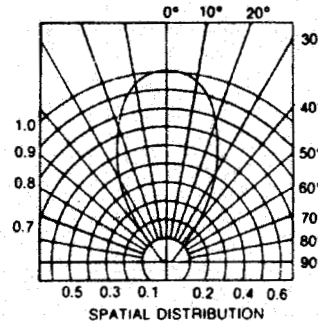
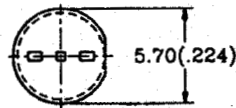
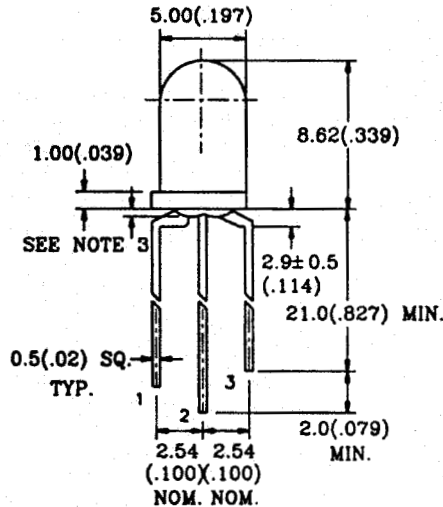


L-519XXW&L-519XXC series.. **5.0mm Dia LED LAMP-** **MULTI COLOR**

MAIN FEATURES :

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

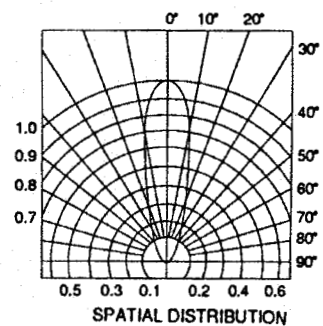
◆PACKAGE DIMENSIONS



L-519XXW

Notes:

1. All Dimension are in millimeter.
2. Tolerance is $\pm 0.25\text{mm}(0.010")$ unless otherwise specified.
3. Protuded 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-519XXC

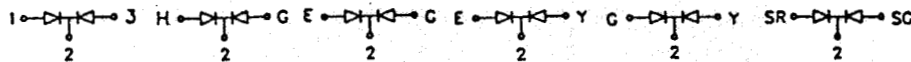


Fig.1

Fig.2

Fig.3

Fig.4

Fig.5

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

Part No.	Chip			Wave					Electro-Optical Characteristics							View	
	Raw Material	Emitted Color	Lens Color	Length λ p(nm)	$\Delta \lambda$ nm	Pd mW	If mA	If (Peak)	Vf(V)			If Iv (mcd)		Angle (deg)	FIG.		
									Min.	Typ.	Max.	(Rec)	Min.			Typ.	
L-519HGW	GaP	Red	White	700	90	45	15	50	1.7	2.1	2.8	5~10	3.0	8.0	60	1	
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	3.0	12.0			
L-519EGW	GaAsP/GaP	Hi. effi Red	White	635	45	100	30	160	1.7	2.0	2.8	10~20	8.0	20.0	60	2	
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0			
L-519EYW	GaAsP/GaP	Hi. effi Red	White	635	45	100	30	160	1.7	2.0	2.8	10~20	8.0	20.0	60	3	
	GaAsP/GaP	Yellow	Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0			
L-519GYW	GaP	Green	White	565	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0	60	4	
	GaAsP/GaP	Yellow	Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0			
L-519SRSGW	GaAlAs	Super Red	White	660	20	60	20	160	1.6	1.8	2.1	10~20	50.0	150	60	5	
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	20.0	50.0			
L-519EGC	GaAsP/GaP	Hi. effi Red	Water	635	45	100	30	160	1.7	2.0	2.8	10~20	20.0	50.0	30	2	
	GaP	Green	Clear	565	30	100	30	160	1.7	2.1	2.8	10~20	15.0	30.0			
L-519EYC	GaAsP/GaP	Hi. effi Red	Water	635	45	100	30	160	1.7	2.0	2.8	10~20	20.0	50.0	30	3	
	GaAsP/GaP	Yellow	Clear	585	30	100	30	160	1.7	2.1	2.8	10~20	15.0	30.0			
L-519GYC	GaP	Green	Water	565	30	100	30	160	1.7	2.1	2.8	10~20	15.0	30.0	30	4	
	GaAsP/GaP	Yellow	Clear	585	30	100	30	160	1.7	2.1	2.8	10~20	15.0	30.0			
L-519SRSGC	GaAlAs	Super Red	Water	660	20	60	20	160	1.6	1.8	2.1	10~20	300	500	30	5	
	GaP	Green	Clear	565	30	100	30	160	1.7	2.1	2.8	10~20	50.0	150			

◆ABSOLUTE MAXIMUN 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