

L-517XXW&L-517XXD series..

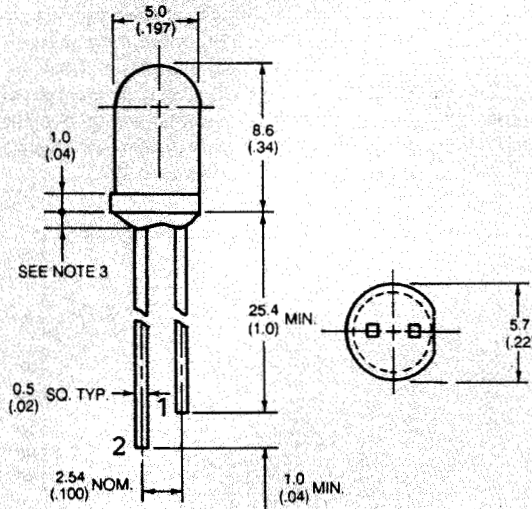
5.0mm Dia LED LAMP

DUAL CHIP (BI-POLAR)

MAIN FEATURES :

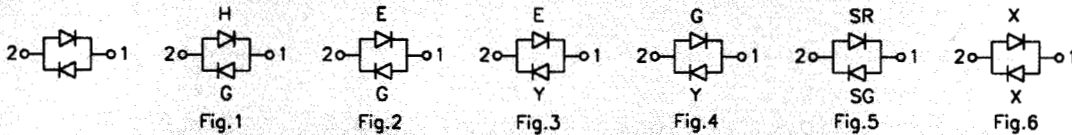
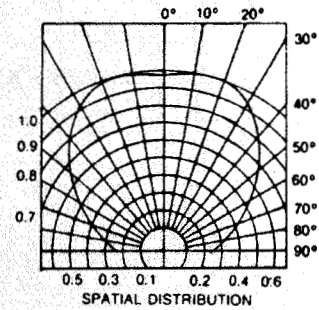
- ⊙ 5.0mm DIA LED LAMP
- ⊙ LOW POWER CONSUMPTION
- ⊙ LONG LIFE-SOLIDSTATE RELIABILITY
- ⊙ I. C. COMPATIBLE
- ⊙ TWO CHIPS ARE MATCHED FOR UNIFORM LIGHT OUTPUT

◆ PACKAGE DIMENSIONS



Notes:

1. All Dimension are in millimeter.
2. Tolerance is $\pm 0.25\text{mm}(0.010\text{'})$ 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.



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

Part No.	Chip			Wave					Electro-Optical Characteristics					View Angle (deg)	FIG.	
	Raw Material	Emitted Color	Lens Color	Length λ (nm)	$\Delta \lambda$ (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-517HGW	GaP	Bright Red	White	700	90	45	15	50	1.7	2.1	2.8	5~10	2.0	5.0	120	1
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	3.0	12.0		
L-517EGW	GaAsP/GaP	Hi. effi Red	White	635	45	100	30	160	1.7	2.0	2.8	10~20	8.0	20.0	120	2
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0		
L-517EYW	GaAsP/GaP	Hi. effi Red	White	635	45	100	30	160	1.7	2.0	2.8	10~20	8.0	20.0	120	3
	GaAsP/GaP	Yellow	Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0		
L-517GYW	GaP	Green	White	565	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0	120	4
	GaAsP/GaP	Yellow	Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0		
L-517SRSGW	GaAlAs	Super Red	White	660	20	60	20	160	1.6	1.8	2.1	10~20	40.0	100	120	5
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	15.0	40.0		
L-517HHD	GaP	Bright Red	Red Diffused	700	90	45	15	50	1.7	2.1	2.8	5~10	2.0	5.0	120	6
L-517EED	GaAsP/GaP	Hi. effi Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	5.0	20.0	120	6
L-517EED-E	GaAsP/GaP	Orange	Orange Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	5.0	20.0	120	6
L-517GGD	GaP	Green	Yellow Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	5.0	12.0	120	6
L-517YYD	GaAsP/GaP	Yellow	Red Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0	120	6
L-517AAD	GaAsP/GaP	Amber	Red Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	5.0	15.0	120	6
L-517SRSRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	40.0	100	120	6

◆ 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 (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	$\Delta \lambda$	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