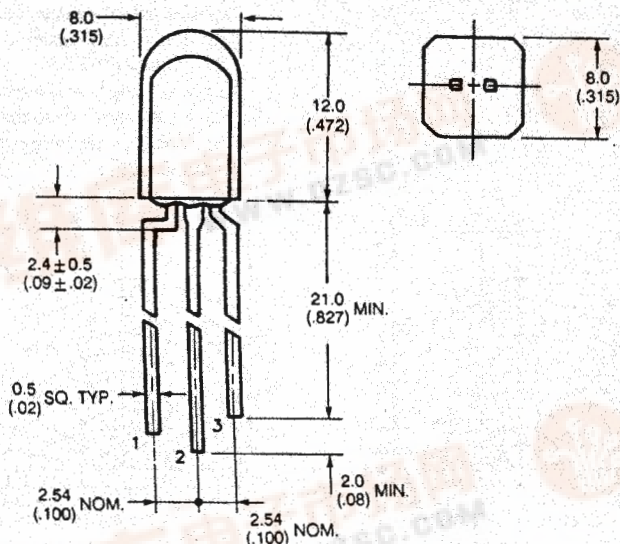


L-809XXW series...
8.0x8.0mm SQUARE TYPE LED LAMP-
MULTI COLOR

MAIN FEATURES :

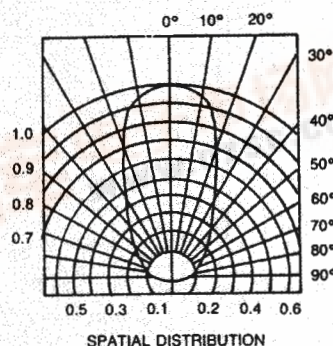
- ⊙ 8.0X8.0mm SQUARE TYPE LED LAMP
- ⊙ LOW POWER CONSUMPTION
- ⊙ LONG LIFE-SOLIDSTATE RELIABILITY
- ⊙ I. C. COMPATIBLE
- ⊙ TWO CHIPS ARE MATCHED FOR UNIFORM LIGHT OUTPUT

◆ 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 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.



1  2  3 H  2  G E  2  G E  2  Y G  2  Y SR  2  SG

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

Part No.	Chip			Wave Length	Absolute Maximum Ratings				Electro-Optical Characteristics						View	
	Raw Material	Emitted Color	Lens Color		$\Delta\lambda$	Pd	If	If	Vf(V)			If Iv (mcd)		Angle	Fig.	
									Min.	Typ.	Max.	(Rec)	Min.	Typ.	(deg)	
L-809EGW	GaAsP/GaP	Hi.effi Red	White	635	45	100	30	160	1.7	2.0	2.8	10~20	10.0	20.0	50	2
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	8.0	15.0		
L-809EYW	GaAsP/GaP	Hi.effi Red	White	635	45	100	30	160	1.7	2.0	2.8	10~20	10.0	20.0	50	3
	GaAsP/GaP	Yellow	Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	8.0	15.0		
L-809GYW	GaP	Green	White	565	30	100	30	160	1.7	2.1	2.8	10~20	8.0	15.0	50	4
	GaAsP/GaP	Yellow	Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	8.0	15.0		
L-809SRSGW	GaAlAs	Super Red	White	660	20	60	20	160	1.6	1.8	2.1	10~20	50.0	150	50	5
	GaP	Green	Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	20.0	50.0		

◆ABSOLUTE MAXIMUN RATING: (Ta=25°C)

Reverse Voltage	: 5 Volt
Reverse Current($V_r = 5V$)	: $10 \mu A$
Operating Temperature Range	: $-40^{\circ}C$ to $+85^{\circ}C$
Storage Temperature Range	: $-40^{\circ}C$ to $+100^{\circ}C$
Lead Soldering Temperature (1.6mm(1/16inch) from body)	: $260^{\circ}C$ for 5 Seconds

◆ELECTRO-OPTICAL CHARACTERISTICS: (Ta=25°C)

Parameter 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