

DESCRIPTION:

The 912 series is a 3.2x4.4mm triangle type LED lamp and fits into panels up to 3.6mm thick.

The semi-conductor materials used are:

GaP for (912HD/HC, 912GC/GD)

GaAsP/GaP for (912RHC/RHD, 912YC/YD and 912SC/SD)

ABSOLUTE MAXIMUM RATINGS: (Ta=25°C)

Reverse Voltage	5 Volt
Reverse Current (Vr =5V)	100µA
Operating Temperature Range	-40°C To 85°C
Storage Temperature Range	-40°C To 100°C
Lead Soldering Temperature (1.6mm (1/16)From Body)	260°C For 5 Seconds

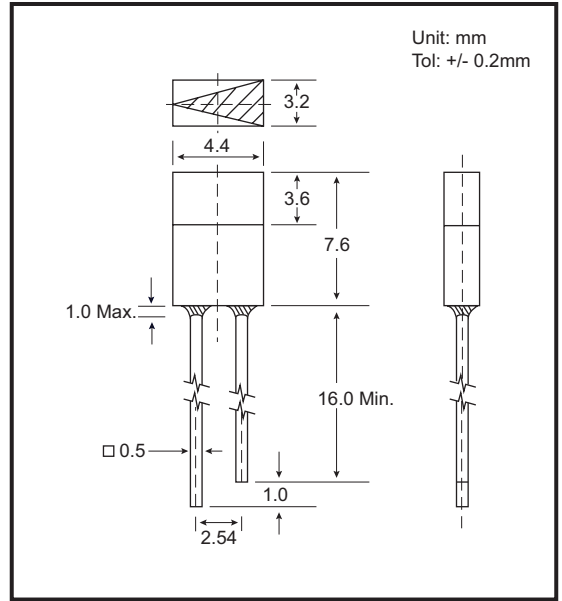
NOTES : 1. All dimensions are in millimeters.

2. Lead spacing is measured where the leads emerge from the package.

3. Protuded resin under flange is 1.5 mm (0.059") Max.

4. Specifications are subject to change without notice.

PACKAGE DIMENSIONS



PART NO. SELECTION AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)

Part No.	Emitted Color	Lens Color	Peak Wavelength λp (nm)	Vf (v)		Rec. If (mA).	Iv (mcd)		View Angle 2θ1/2(Deg)
				Min	Max		Min	Typ.	
GB-912HD	Red	Red Diffused	697	1.7	2.6	5-10	0.1	0.3	90
GB-912RHD	Bright Red	Red Diffused	660	1.7	2.6	10-20	0.8	1.8	90
GB-912GD	Green	Green Diffused	565	1.7	2.6	10-20	1.0	2.3	90
GB-912YD	Yellow	Yellow Diffused	585	1.7	2.6	10-20	1.0	2.3	90
GB-912SD	Orange	Orange Diffused	610	1.7	2.6	10-20	2.5	5.6	90
GB-912HC	Red	Water Clear	697	1.7	2.6	5-10	0.18	0.4	75
GB-912RHC	Bright Red	Water Clear	660	1.7	2.6	10-20	1.1	2.5	75
GB-912GC	Green	Water Clear	565	1.7	2.6	10-20	1.5	3.2	75
GB-912YC	Yellow	Water Clear	585	1.7	2.6	10-20	1.5	3.2	75
GB-912SC	Orange	Water Clear	610	1.7	2.6	10-20	3.5	7.8	75

TESTING CONDITION FOR EACH PARAMETER :

PARAMETER:	SYMBOL	UNIT	TEST CONDITION
REVERSE VOLTAGE	Vr	VOLT	Vr = 5.0 Volt If = 20mA If = 20mA If = 20mA
REVERSE CURRENT	Ir	µA	
FORWARD VOLTAGE	Vf	VOLT	
LUMINOUS INTENSITY	Iv	MCD	
VIEWING ANGLE	2θ1/2	DEGREE	
RECOMMENDED OPERATING CURRENT	If (Rec)	mA	

