

DESCRIPTION:

The 333 Mega Bright series is conventional LED Lamps utilizing higher intensity material to achieve the brightest performance.

The semi-conductor materials used are:

AlGaInP for (333RTSC, 333YTSC)

InGaN for (333B472C, 333BG2C, 333PG2C, 333W2C)

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	260°C For 5 Seconds
(1.6mm (1/16)From Body)	

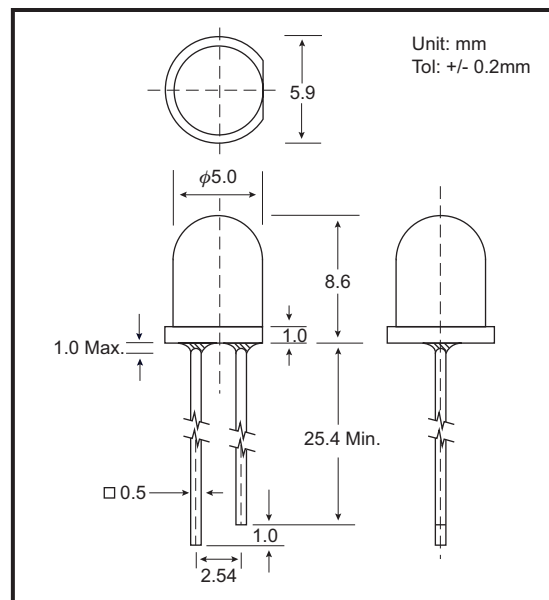
NOTES : 1. All dimensions are in millimeters.

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-333RTSC	Ultra Red	Water Clear	635	2.0	2.8	20	3800.0	4200.0	16
GB-333YTSC	Ultra Yellow	Water Clear	590	2.0	2.8	20	3600.0	4800.0	16
GB-333B472C	Blue	Water Clear	470	2.8	4.5	20	2200.0	4900.0	16
GB-333BG2C	Bluish Green	Water Clear	505	2.8	4.5	20	4000.0	7000.0	16
GB-333PG2C	Pure Green	Water Clear	525	2.8	4.5	20	4000.0	7000.0	16
GB-333W2C	White	Water Clear	TYPICAL CHROMATICITY COORDINATES	3.0	4.5	20	10000.0	16500.0	16
			X 0.31 Y 0.32						
GB-333W3C	White	Water Clear	TYPICAL CHROMATICITY COORDINATES	3.0	4.5	20	20000.0	25000.0	16
			X 0.31 Y 0.32						
GB-333L2C	Warm White	Water Clear	TYPICAL CHROMATICITY COORDINATES	3.0	4.5	20	8000.0	12000.0	16
			X 0.42 Y 0.39						

CAUTION: Handling with care against static electricity

TESTING CONDITION FOR EACH PARAMETER :

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

NOTE : The typical emission color (White) is described by the chromaticity coordinates X=0.31, Y=0.32 using the CIE Chromaticity Diagram.

