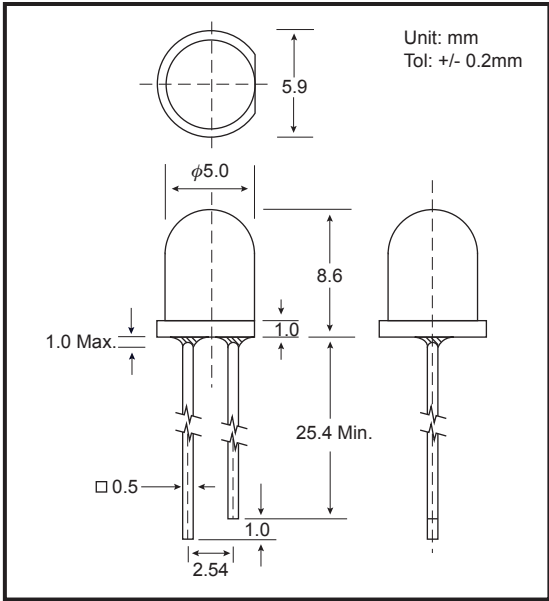


DESCRIPTION:

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)
 GaN/Sic for (333B432C)
 InGaN/Sic for (333B472C, 333BG2C, 333PG2C, 333W2C)

PACKAGE DIMENSIONS



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.

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-333B432C	Blue	Water Clear	430	2.8	4.5	20	75.0	120.0	16	
GB-333B472C	Blue	Water Clear	470	2.8	4.5	20	1750.0	2800.0	16	
GB-333BG2C	Bluish Green	Water Clear	505	2.8	4.5	20	3000.0	5000.0	16	
GB-333PG2C	Pure Green	Water Clear	525	2.8	4.5	20	3000.0	5000.0	16	
GB-333W2C	White	Water Clear	TYPICAL CHROMATICITY COORDINATES		3.0	4.5	20	3000.0	5000.0	16
			X	0.31						

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.

