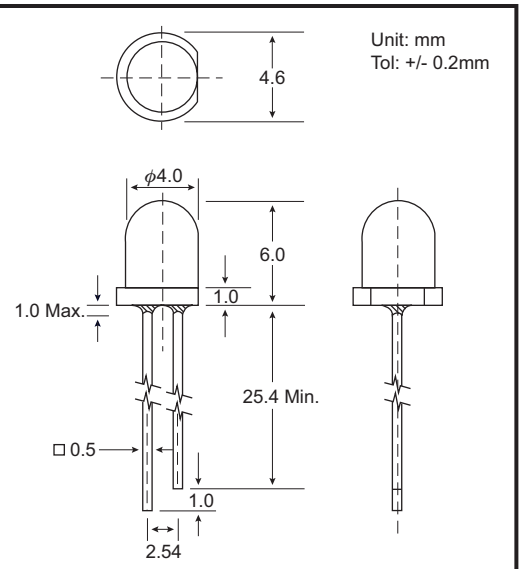
LUCKY LIGHT

GB-214 SERIES
Round Type
LED Lamps (4mm)

DESCRIPTION:

The 214 series is widely used in general purpose indicator applications.
It is in popular 4mm diameter package.
The semi-conductor materials used are:
GaP for (214HC/HD/HT, 214GC/GD/GT)
GaAsP/GaP for (214RHC/RHD/RHT, 214YC/YD/YT and 214SD)

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

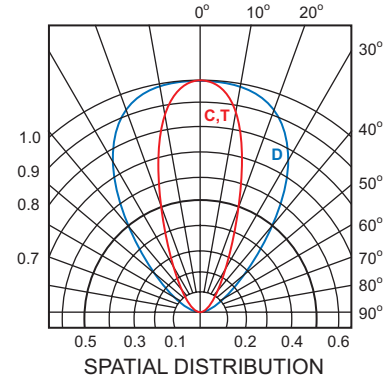
NOTES : 1. All dimensions are in millimeters.
2. Lead spacing is measured where the leads emerge from the package.
3. Protuded resin under flange is 1.5 mm (0.059") Max.
4. Specifications are subject to change without notice.

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

Part No.	Emitted Color	Lens Color	Peak Wavelength λp (nm)	Vf (v) Min	Vf (v) Max	Rec. If (mA).	Iv (mcd) Min	Iv (mcd) Typ.	View Angle 2θ1/2(Deg)
GB-214HD	Red	Red Diffused	697	1.7	2.6	5-10	0.5	1.6	80
GB-214RHD	Bright Red	Red Diffused	660	1.7	2.6	10-20	1.1	6.0	80
GB-214GD	Green	Green Diffused	565	1.7	2.6	10-20	1.1	6.0	80
GB-214YD	Yellow	Yellow Diffused	585	1.7	2.6	10-20	1.1	6.0	80
GB-214SD	Orange	Orange Diffused	610	1.7	2.6	10-20	1.1	6.0	80
GB-214HT	Red	Red Trans.	697	1.7	2.6	5-10	2.5	10.0	40
GB-214RHT	Bright Red	Red Trans.	660	1.7	2.6	10-20	3.5	17.0	40
GB-214GT	Green	Green Trans.	565	1.7	2.6	10-20	3.5	17.0	40
GB-214YT	Yellow	Yellow Trans.	585	1.7	2.6	10-20	3.5	17.0	40
GB-214HC	Red	Water Clear	697	1.7	2.6	5-10	2.0	6.0	40
GB-214RHC	Bright Red	Water Clear	660	1.7	2.6	10-20	3.5	17.0	40
GB-214GC	Green	Water Clear	565	1.7	2.6	10-20	3.5	17.0	40

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	



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