BRIGHT LED ELECTRONICS CORP.

SINCE 1981

BL-RGA2H4T

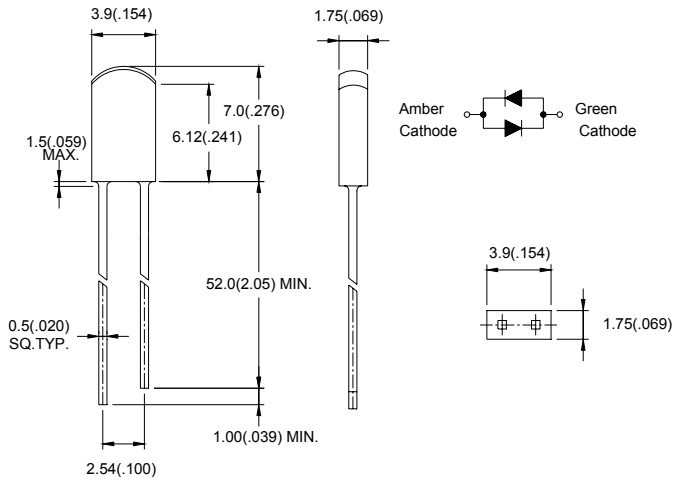
● Features:

1. Chip material: GaP/GaP (Green)
   and GaAsP/GaP (Amber)
2. Emitted color : Green and Amber
3. Lens Appearance : White Diffused
4. Low power consumption.
5. Most suitable for use like level indicator.
6. Excellent uniformity of light emittance.
7. Long life solid state reliability.
8. Compatible.
9. This product don't contained restriction substance, compliance ROHS standard.

● Applications:

1. TV set
2. Monitor
3. Telephone
4. Computer
5. Circuit board

● Package Dimensions:



Notes:

1. All dimensions are in millimeters (inches).
2. Tolerance is ±0.25mm (0.01") unless otherwise specified.
3. Lead spacing is measured where the leads emerge from the package.

● Absolute Maximum Ratings(Ta=25℃)

Parameter	Symbol	Green	Amber	Unit
Power Dissipation	Pd	80	80	mW
Forward Current	I_F	30	30	mA
Peak Forward Current*[1]	I_{FP}	150	150	mA
Reverse Voltage	V_R	5	5	V
Operating Temperature	Topr	-40℃~80℃		
Storage Temperature	Tstg	-40℃~85℃		
Soldering Temperature	Tsol	260℃(for 5 seconds)		

*1Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width.

● Electrical and optical characteristics(Ta=25℃)

Parameter	Symbol	Condition	Color	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	I_F=20mA	Green Amber	-	2.2 2.0	2.6 2.6	V
Luminous Intensity	Iv	I_F=20mA	Green Amber	-	15 12	-	mcd
Reverse Current	I_R	V_R=5V	Green Amber	-	-	100	μA
Peak Wave Length	λp	I_F=20mA	Green Amber	-	568 610	-	nm
Dominant Wave Length	λd	I_F=20mA	Green Amber	560 605	- -	576 615	nm
Spectral Line Half-width	Δλ	I_F=20mA	Green Amber	-	30 35	-	nm
Viewing Angle	$2\theta_{1/2}$	I_F=20mA	Green Amber	-	90	-	deg

● Typical Electro-Optical Characteristics Curves

Fig.1 Relative intensity vs. Wavelength

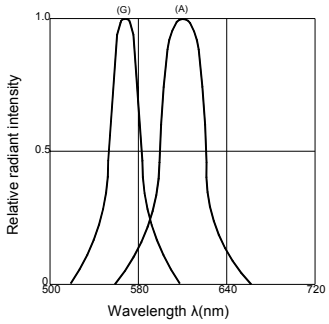


Fig.2 Forward current derating curve vs. Ambient temperature

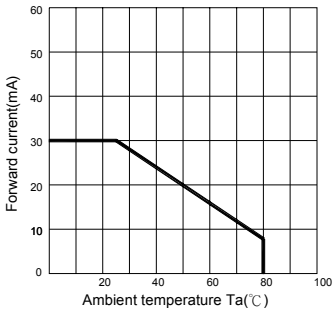


Fig.3 Forward current vs. Forward voltage

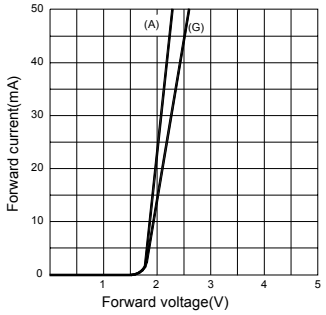


Fig.4 Relative luminous intensity vs. Ambient temperature

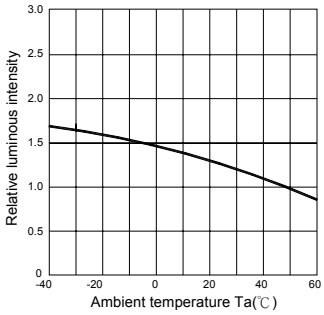


Fig.5 Relative luminous intensity vs. Forward current

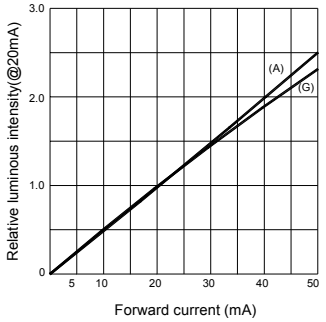


Fig.6 Radiation diagram