

DESCRIPTION:

The 529 series is three leaded bicolor light sources designed and white diffused for a variety of applications where dual state illumination is required in the same package.

There are two different chips mounted on a central common cathode lead. Colors can be generated by independently pulse width modulating the chips. The semi-conductor materials used are:

GaP for (H, G)

GaAsP/GaP for (E, Y)

ABSOLUTE MAXIMUM RATINGS: (Ta=25°C)

Reverse Voltage	5 Volt
Reverse Current (Vr =5V)	100μΑ
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

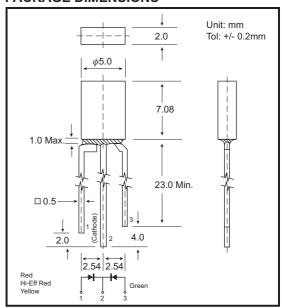
NOTES: 1. All dimensions are in millimeters.

- 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.

GB-529 SERIES

Multi-Color, Common Cathode 2x5mm Rectangular Type, Flangeless LED Lamps (3 Pins)

PACKAGE DIMENSIONS



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

Part No.	Emitted Color	Lens Color	Peak Wavelength λp (nm)	Vf Min	(v) Max	Rec. If (mA).		ncd) Typ.	View Angle 2θ1/2(Deg)
GB-529HGW	Red	White Diffused	697	1.7	2.6	10-20	5.0	8.0	145
GD-32911GW	Green	White Diffused	565	1.7	2.6	10-20	6.0	11.0	145
GB-529EGW	Hi-Eff Red	White Diffused	635	1.7	2.6	10-20	8.5	16.0	145
	Green	White Diffused	565	1.7	2.6	10-20	6.0	11.0	145
GB-529YGW	Yellow	White Diffused	585	1.7	2.6	10-20	6.0	11.0	145
	Green	White Diffused	565	1.7	2.6	10-20	11.0	20.0	145

TESTING CONDITION FOR EACH PARAMETER:

PARAMETER: REVERSE VOLTAGE REVERSE CURRENT FORWARD VOLTAGE LUMINOUS INTENSITY VIEWING ANGLE	SYMBOL Vr Ir Vf Iv 201/2	UNIT VOLT μΑ VOLT MCD DEGREE	TEST CONDITION Vr = 5.0 Volt If = 20mA If = 20mA If = 20mA
RECOMMENDED OPERATING CURRENT	If (Rec)	mA	

