

DESCRIPTION:

The 419 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
(1.0 (1,10).10200)	

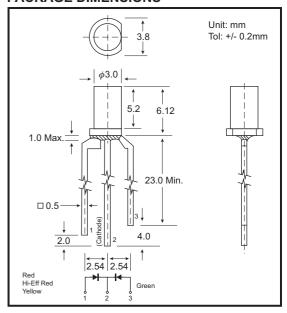
NOTES: 1. All dimensions are in millimeters.

- 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-419 SERIES

Multi-Color, Common Cathode 3mm Cylindrical Type 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-419HGW	Red	White Diffused	697	1.7	2.6	10-20	1.0	3.5	144
OD-410HGW	Green	White Diffused	565	1.7	2.6	10-20	6.0	12.0	144
GB-419EGW	Hi-Eff Red	White Diffused	635	1.7	2.6	10-20	5.0	9.0	144
GB-419EGW	Green	White Diffused	565	1.7	2.6	10-20	6.0	12.0	144
GB-419YGW	Yellow	White Diffused	585	1.7	2.6	10-20	6.0	12.0	144
GD-4191GW	Green	White Diffused	565	1.7	2.6	10-20	12.0	24.0	144

TESTING CONDITION FOR EACH PARAMETER:

VIEWING ANGLE

