

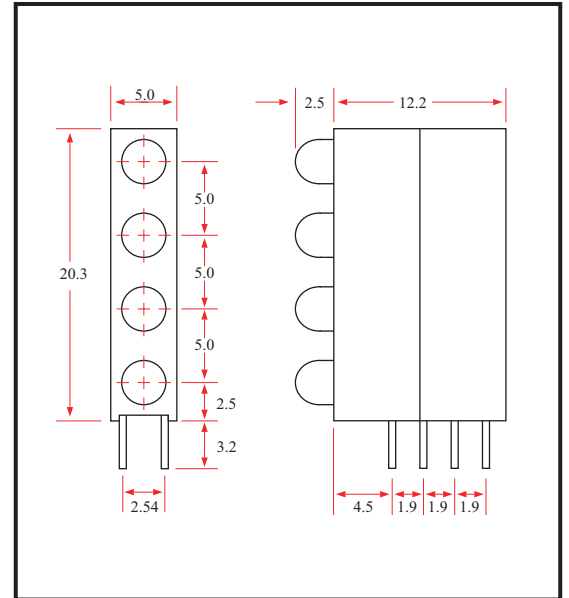
MAIN FEATURES:

- Low Power Consumption
- High Efficiency and Low Cost
- Good Control and Free Combinations on The Colors of LED Lamps
- Good Lock and Easy To Assembly

ABSOLUTE MAXIMUM RATINGS: (Ta=25°C)

| | |
|---|---------------------------|
| Reverse Voltage | GaASP Red 3.0V Other 5.0V |
| D.C. Forward Current | 30mA |
| Plus Current (1/10 Duty Cycle 0.1mS Plus Width) | 100mA |
| Operating Temperature Range | - 40°C To + 80°C |
| Storage Temperature Range | - 40°C To + 80°C |
| Lead Soldering Temp (1.6mm Form Body) | 260°C For 5 Sec. |

- NOTES: 1. All Dimensions $\pm 0.25\text{mm}$ Unless Otherwise Noted.
 2. Color Combination As Customer's Requirement.
 3. Holder Color: Black
 4. Holder Material Meets UI94V-2

PACKAGE DIMENSIONS

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

| Part No. | Emitted Color | Lens Color | Peak Wavelength @ 20mA (nm) | Forward Voltage @ 20mA Typ. | Luminous Intensity @ 20mA (mcd) | View Angle 2 $\theta_{1/2}$ (Deg) |
|--------------|---|--|-----------------------------|-----------------------------|---------------------------------|-----------------------------------|
| GB-44-1-III | Hi-Eff Red | Red Diffused | 635 | 2.1 | 40 | 50 |
| GB-44-1-YYYY | Yellow | Yellow Diffused | 588 | 2.1 | 35 | 50 |
| GB-44-1-GGGG | Green | Green Diffused | 568 | 2.2 | 50 | 50 |
| GB-44-1-IGIG | Hi-Eff Red / Green / Hi-Eff Red / Green | Red / Green / Red / Green Diffused | 635 / 568 / 635 / 568 | 2.1 / 2.2 / 2.1 / 2.2 | 100 / 50 / 100 / 50 | 50 / 50 / 50 / 50 |
| GB-44-1-YGYG | Yellow / Green / Yellow / Green | Yellow / Green / Yellow / Green Diffused | 588 / 568 / 588 / 568 | 2.1 / 2.2 / 2.1 / 2.2 | 40 / 50 / 40 / 50 | 50 / 50 / 50 / 50 |

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 | 2 $\theta_{1/2}$ | DEGREE | |
| RECOMMENDED OPERATING CURRENT | If (Rec) | mA | |