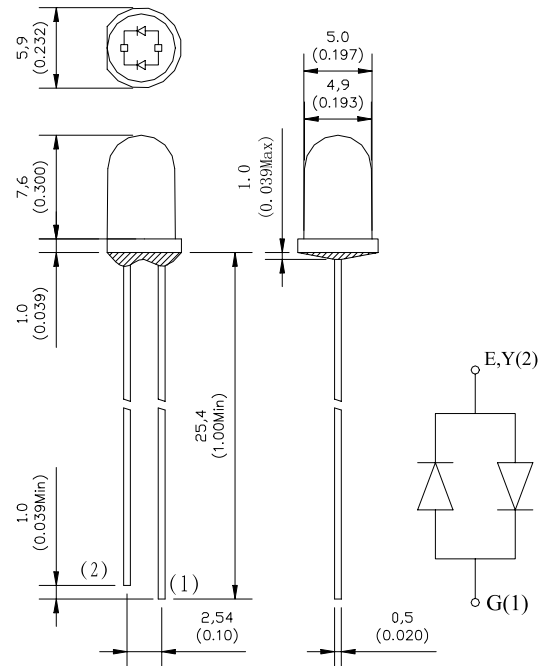


GNL-5017xx (Φ5mm ROUND TYPE) Bi-color series

ABSOLUTE MAXIMUM RATING:(Ta=25°C)

| Parameter | | | Unit |
|--|-----|------|------|
| DC Forward Current | 30 | | mA |
| Reverse Voltage | 5 | | V |
| Reverse Current (Vr=5V) | 10 | | μA |
| Peak Forward Current ,tw ,=1 msec Duty ,=1/20 | 150 | | mA |
| Operation Temperature | -40 | +80 | °C |
| Storage Temperature | -40 | +100 | °C |
| Solder Dip Temperature (5 seconds,1.6mm from body) | 300 | ±5 | °C |



| Part Number | EMITTED COLOR | | Lens Color | Peak Wave length (nm) | Vf (v) Typ. | IV (If=20mA) mcd | | View Angle 2θ 1/2 |
|---------------|---------------|-------------|----------------|-----------------------|-------------|------------------|------|-------------------|
| | | | | | | Min. | Typ. | |
| GNL-5017EGW | GaAsP/Gap | Hi-Eff Red | White Diffused | 635 | 2.0 | 8.0 | 20 | 60° |
| | Gap | Green | | 565 | 2.1 | 5.0 | 15 | |
| GNL-5017YGW | Gap | Green | White Diffused | 565 | 2.1 | 5.0 | 15 | 60° |
| | GaAsP | Yellow | | 585 | 2.1 | 5.0 | 15 | |
| GNL-5017UEUGW | AlGaInP | Ultra Red | White Diffused | 625 | 2.0 | 120 | 250 | 60° |
| | AlGaInP | Super Green | | 572 | 2.0 | 100 | 200 | |
| GNL-5017GGD | Gap | Green | Green Diffused | 565 | 2.1 | 5.0 | 15 | 60° |
| | GaP | Green | | 565 | 2.1 | 5.0 | 15 | |
| GNL-5017SSD | GaAlAs | Super Red | Red Diffused | 660 | 1.8 | 10 | 25 | 60° |
| | GaAlAs | Super Red | | 660 | 1.8 | 10 | 25 | |
| GNL-5017EGC | GaAsP/Gap | Hi-Eff Red | Water Clear | 635 | 2.0 | 20 | 50 | 30° |
| | Gap | Green | | 565 | 2.1 | 15 | 30 | |
| GNL-5017YGC | Gap | Green | Water Clear | 565 | 2.1 | 15 | 30 | 30° |
| | GaAsP | Yellow | | 585 | 2.1 | 15 | 30 | |
| GNL-5017UEUGC | AlGaInP | Super Red | Water Clear | 625 | 2.0 | 280 | 600 | 30° |
| | AlGaInP | Super Green | | 572 | 2.0 | 260 | 550 | |