

5.0mm Round Type LED Lamps

MODEL NO: IE-5RGBD9-8NW

★Features:

- Three chips are matched for uniform light output;
- Long life-solid state reliability;
- IC compatible/low power consumption;

★Lens Color:

- Water Clear White Diffused

★Descriptions:

- The LED Lamp contains three integral chips And is available as both tricolor and Tripolar types;
- The Super Red and Super Green Light and Super Blue are emitted by diodes of GaAlAs and GaP respectively.

★Applications:

- Indicators ● Home Electric Appliance
- Automotive ● Sign & Signal

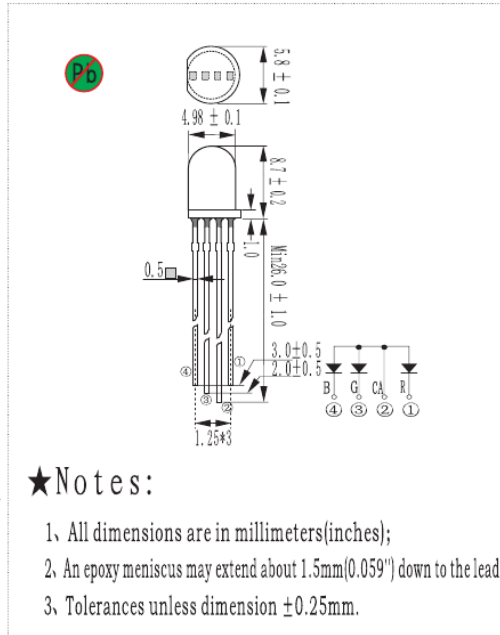
★Absolute Maximun Rating(Ta=25°C):

| Parameter | Symbol | Rating | Unit | Remark |
|-----------------------|------------------|------------|------|-----------------|
| Forward Current | I _F | 30*3 | mA | |
| Peak Forward Current | I _{FP} | 100*3 | mA | 1/10 Duty Cycle |
| Reverse Voltage | V _R | 5 | V | |
| Operating Temperature | T _{OPR} | -25 ~ +85 | °C | |
| Storage Temperature | T _{Stg} | -40 ~ +100 | °C | |
| Soldering Temperature | T _{So1} | 260 | °C | <3 seconds |
| Power Dissipation | P _d | 80*3 | mW | |

★Electronic Optical Characteristic(Ta=25°C):

| Part Number | Emitting Color | V _F (V) I _F =20mA | | | I _V (mcd) I _F =20mA | | I _r (μA) V _R =5V | λ _d (Nm) | Δλ(nm) | Viewing Angle 2θ _{1/2} (°) |
|---------------|----------------|--|-----|-----|--|-----|---|---------------------|--------|--|
| | | Min | Typ | Max | Typ | Max | | | | |
| IE-5RGBD9-8NW | RED | 1.65 | 2.1 | 2.4 | 800 | — | <10 | 618-630 | 20 | 60° |
| | GREEN | 2.6 | 3.1 | 3.4 | 3000 | — | | 515-525 | 35 | |
| | Blue | 2.8 | 3.0 | 3.6 | 800 | — | | 460-470 | 20 | |

★Package Dimension:



★Notes:

1. All dimensions are in millimeters(inches);
2. An epoxy meniscus may extend about 1.5mm(0.059") down to the lead;
3. Tolerances unless dimension ±0.25mm.

★Elucidation: =Pb free Soldering Application, Pb<1000ppm(RoHS-Compliant)