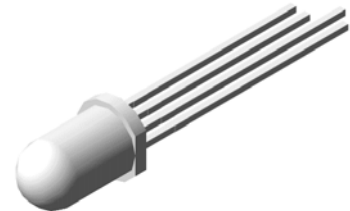


5mm Round RGB LED C.A Configuration

VT 5R67.43A

Description

The VT 5R67 Series full color LED Lamp is design into 5mm round standard package with common anode configuration. The chip material used AlGaInP technology for Red color and InGaN technology for Green and Blue color. With such material ca be produce high efficiency with brilliant light output.




Applications

- TV Set
- Monitor
- Computer
- Telephone



Electronic Optical Characteristics (at 20mA):

| Part Number | Emitted Color | λ (nm) | | Lens Color | Iv(mcd) | | View Angle (2 θ 1/2) | VF(V) | |
|-------------|--|----------------|-------------|------------|---------|------|-----------------------------|-------|------|
| | | λ d | λ p | | Min. | Typ. | | Typ. | Max. |
| VT 5R67.43A | Red  | 624 | 632 | Milky | 95 | 200 | 60 | 2.0 | 2.4 |
| | True-Green  | 525 | 518 | | 460 | 655 | | 3.5 | 3.8 |
| | Blue  | 470 | 468 | | 90 | 190 | | 3.5 | 3.8 |

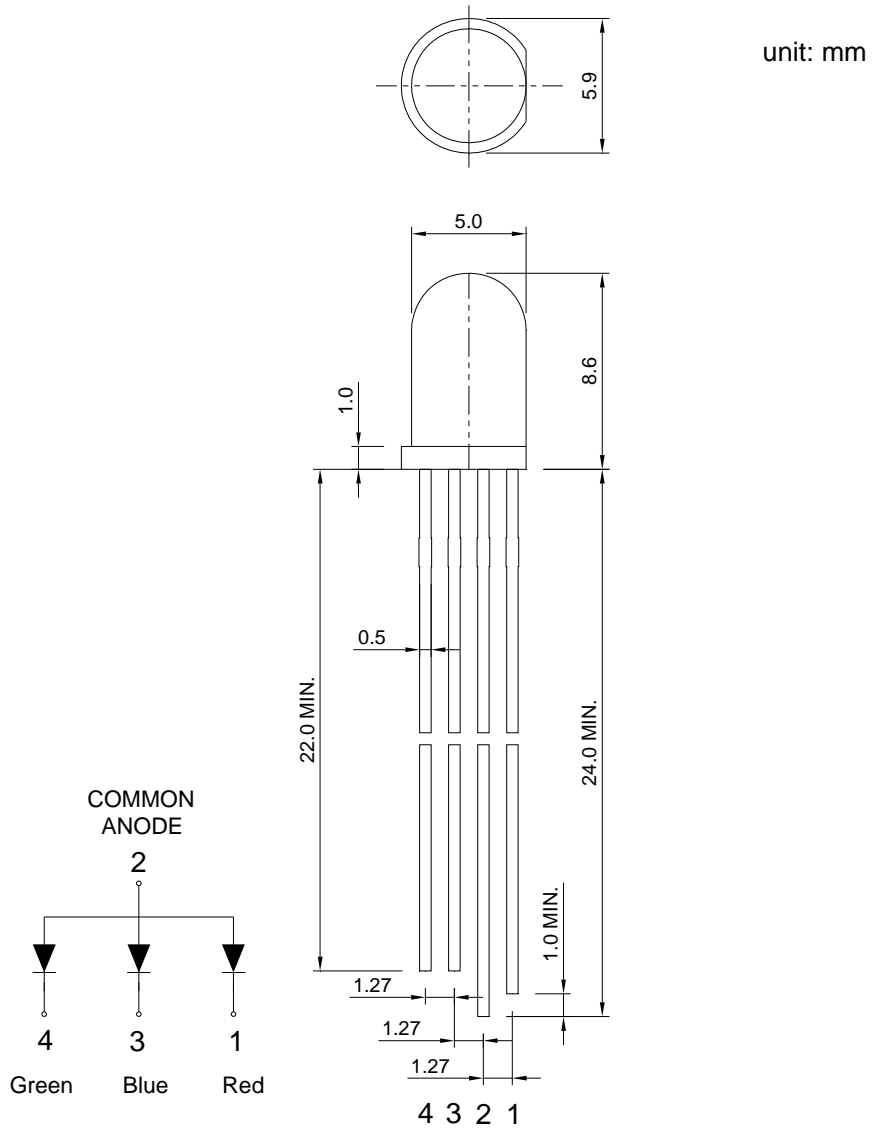
Absolute Maximum Ratings(at Ta=25°C)

| Emitted Color | P _D (mW) | I _{FP} (mA) | I _F (mA) | T _{sol} (°C) | I _R (μ A) @V _R =5V | Topr (°C) | Tstg (°C) |
|---------------|---------------------|----------------------|---------------------|--------------------------|---|-----------|-----------|
| Red | 60 | 100 | 30 | 260 \pm 5 for 5 sec | 10 | -40~+85 | -40~+100 |
| True-green | 80 | 100 | 50 | | 50 | -40~+85 | -40~+100 |
| Blue | 80 | 100 | 30 | | 50 | -40~+85 | -40~+100 |

Note: Please take note the Absolute Maximum Rating values. Any operation beyond the specify ratings in this table will result degradation of LED life- span and may cause LED to fail.

* I_{FP}: Peak Forward Current under 1/10 duty, 1KHz condition

Package Dimension:



Notes:

1. All dimensions are millimeters.
2. Tolerance is $\pm 0.2\text{mm}$ unless otherwise specified.
3. Specifications are subject to change without notice.