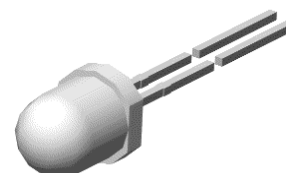


8mm Round Super Bright LED

VT 8848.46

Description

The major breakthrough in VT 8848 series is orange yellow color emit. The dice used in this series is AlGaInP rather than the conventional GaP and GaAsP/GaP. The advantages of AlGaInP are low power consumption and obtaining high luminous intensity under low current driving condition. Other than Bulk packing, tape and reel is available.




Features

- High reliability LED package
- Available in full selection of colors
- Luminous categorized for each bag
- High intensity under low current condition
- AlInGaP dice technology with water clear lens



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 8848.46 | Yellow-orange  | 605 | 611 | Clear | 1120 | 2100 | 30 | 2.0 | 2.4 |

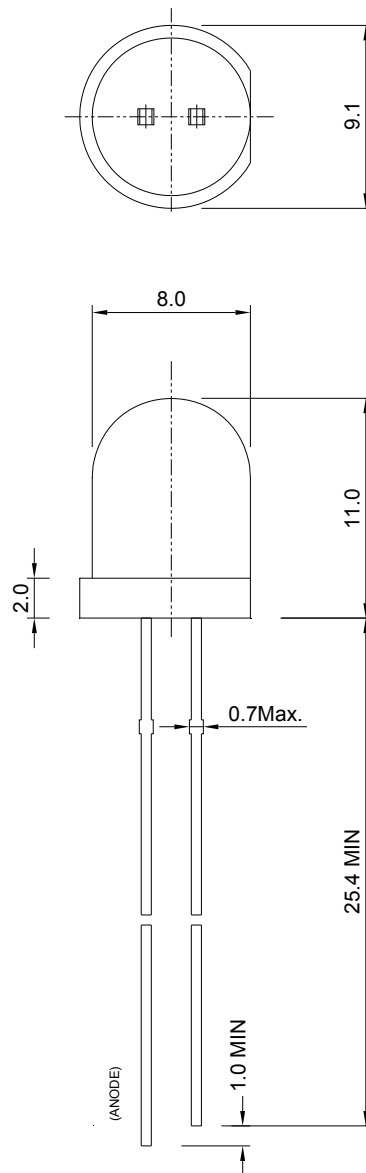
Absolute Maximum Ratings at Ta=25°C

| Emitted Color | P _D (mW) | I _F (mA) | ESD(V) | I _R (uA)@V _R =5V | Topr(°C) | Tstg(°C) |
|-----------------------|---------------------|---------------------|--------|--|----------|----------|
| Orange Yellow (605nm) | 120 | 30 | 2000 | 10 | -40~+85 | -40~+100 |

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

Package Dimension:

unit: mm



Notes:

1. All dimensions are millimeters.
2. Dimensional tolerance is +/- 0.2mm unless otherwise specified.
3. Epoxy meniscus under flange is 1.5 mm max.
4. Specifications are subject to change without notice.