

## 3mm Round Super Bright LED

**VT 3658.42**

### Description

The major breakthrough in VT 3658 series is Yellow color emit. The dice used in this series is AlGaInP material. 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. The wavelengths and luminous Intensities of this series are grouped under 20mA for uniformity.




### Features

- High reliability LED package
- Available in full selection of colors
- Luminous and color categorized for each bag
- High intensity under low current condition

RoHS



### Electronic Optical Characteristics (at 20mA):

| Part Number | Emitted Color  | $\lambda$ (nm) |             | Lens Color | Iv(mcd) |      | View Angle (2 $\theta$ 1/2) | VF(V) |      |
|-------------|--|----------------|-------------|------------|---------|------|-----------------------------|-------|------|
|             |  | $\lambda_d$    | $\lambda_p$ |            | Min.    | Typ. |                             | Typ.  | Max. |
| VT 3658.42  | Yellow  | 589            | 591         | Clear      | 450     | 700  | 40                          | 2.0   | 2.4  |

### Absolute Maximum Ratings (at Ta=25°C)

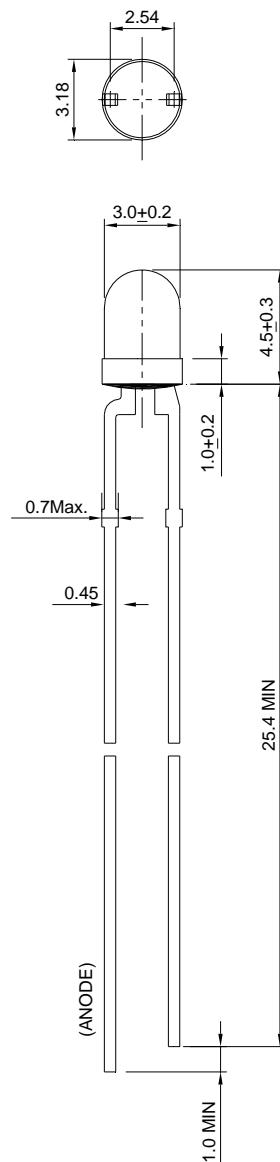
| P <sub>D</sub> (mW) | I <sub>FP</sub> (mA) | I <sub>F</sub> (mA) | T <sub>sol</sub> (°C) | I <sub>R</sub> (uA)@V <sub>R</sub> =5V | Topr(°C) | Tstg(°C) |
|---------------------|----------------------|---------------------|-----------------------|--|----------|----------|
| 60                  | 100*                 | 25                  | 260 ± 5 for 5 sec.    | 10                                     | -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<sub>FP</sub>: Peak Forward Current under 1/10 duty, 1KHz condition

## Package Dimension:

unit: mm



## Notes:

1. All dimensions are millimeters.
2. Tolerance is  $\pm 0.2\text{mm}$  unless otherwise specified
3. Epoxy meniscus under flange is 1.5 mm max.
4. Specifications are subject to change without notice.