

3mm Round Super Bright Blue LED

VT 3258.42

Description

The major breakthrough in VT 3258.42 series is Blue color emit. The dice used in this series is InGaN material. The advantages of InGaN are low power consumption and obtaining high luminous intensity under low current driving condition. 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
- InGaN dice technology with water clear lens

RoHS



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 3258.42	Blue 	470	468	Clear	450	700	30	3.5	4.0

Absolute Maximum Ratings (at Ta=25°C)

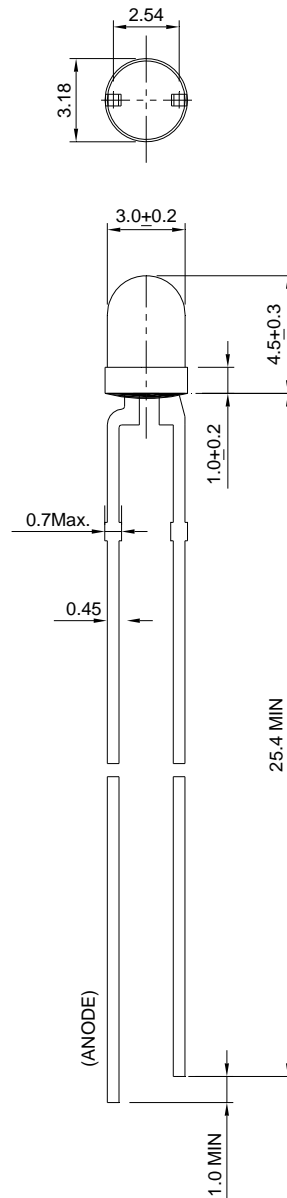
P _D (mW)	I _{FP} (mA)	I _F (mA)	T _{sol} (°C)	I _R (uA)@V _R =5V	T _{opr} (°C)	T _{stg} (°C)
120	100*	30	260±5 for 5 sec	50	-40~+85	-40+100

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.

* I_{FP}: 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.