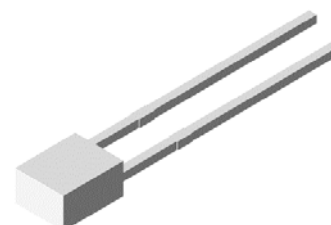


## 2.0 x 3.2mm Rectangular LED

### VT R3A8.43

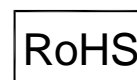
#### Description

The major breakthrough in VT R3A8 series is Blue color emit with 2.0 x 3.2mm rectangular package with water clear lens. The dice used in this series is InGaN material. The advantages of InGaN technology are low power consumption and obtaining high luminous intensity under low current driving condition. Other than bulk packing, tape and reel is available. Changes in viewing angle, luminous intensity and lens color is acceptable.




#### Features

- High reliability LED package
- Available in full selection of colors
- Luminous and color categorized for each bag
- InGaN dice technology with water clear lens



#### 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 R3A8.43	True-green 	525	518	Clear	560	800	100	3.5	4.0

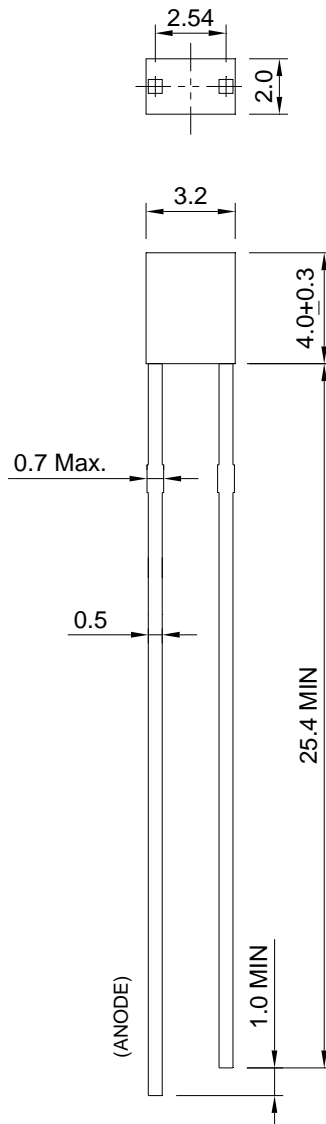
#### Absolute Maximum Ratings at Ta=25°C

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	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
110	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.

## Package Dimension:

unit: mm



### Notes:

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