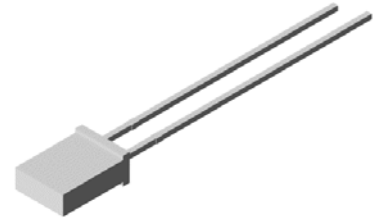


## 2.0 x5.0 mm Rectangular LED

### VT R7H6.28

#### Description

The major breakthrough in VT R7H6 series is Red color emit with 2 x 5mm square shape package. 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. Changes in viewing angle, luminous intensity and lens color is acceptable.




#### Applications

- Lighting indicator
- Status lights
- ON/OFF indicator
- Backlight illumination



#### 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 R7H6.28	Red 	624	632	Tinted	10	20	180	2.0	2.4

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

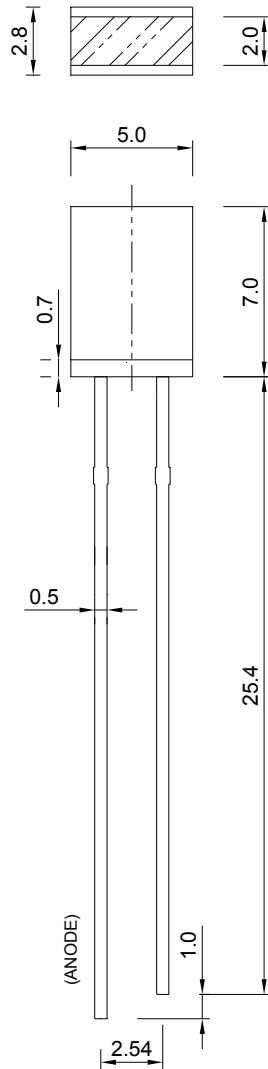
P <sub>D</sub> (mW)	I <sub>FP</sub> (mA)	I <sub>F</sub> (mA)	T <sub>sol</sub> (°C)	I <sub>R</sub> (uA)@V <sub>R</sub> =5V	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
60	100	25	260±5 5 sec.	10	-40~+85	-40~+100

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.

\* 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  $\pm 0.2$ mm unless otherwise specified
3. Epoxy meniscus under flange is 1.5 mm max.
4. Specifications are subject to change without notice.