

## 3mm Round Stand-Off LED

### VT 3758.35

#### Description

This brightness Red emitting LED are made by AlGaInP is 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. These series of LED come in moisture resistance color diffuse lens while offering various viewing angles. 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



#### 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 3758.35	Red 	624	632	Clear	112	224	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> ( $\mu$ A)@V <sub>R</sub> =5V	T <sub>opr</sub> (°C)	T <sub>stg</sub> (°C)
60	100*	25	260 $\pm$ 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

