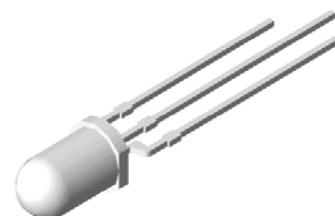


## 5mm Bi-Color LED C.C Configuration

### VT 5Q48

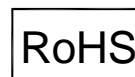
#### Description

The VT 5Q48 is 5mm Bi-Color LED Lamp. The chip material used in Red & True-green emitting is high efficiency AlGaInP & InGaN with brilliant light output. It has high reliability lead based package and available in full selection of colors, high intensity under low current condition. Other selection included Common Cathode or Common Anode and lead pitch is 2.54mm.





#### Applications

- TV Set
- Monitor
- Telephone
- Computer



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

Part Number	Emitted Color	$\lambda$ (nm)		Iv(mcd)		VF(Volt)		View Angle (2 $\theta$ 1/2)	Lens
		$\lambda_d$	$\lambda_p$	Min.	Typ.	Typ.	Max.		
VT 5Q48	Red 	624	632	560	1100	2.0	2.4	30	Clear
	True-green 	525	518	900	1600	3.5	3.8		

#### Absolute Maximum Ratings (atTa=25°C)

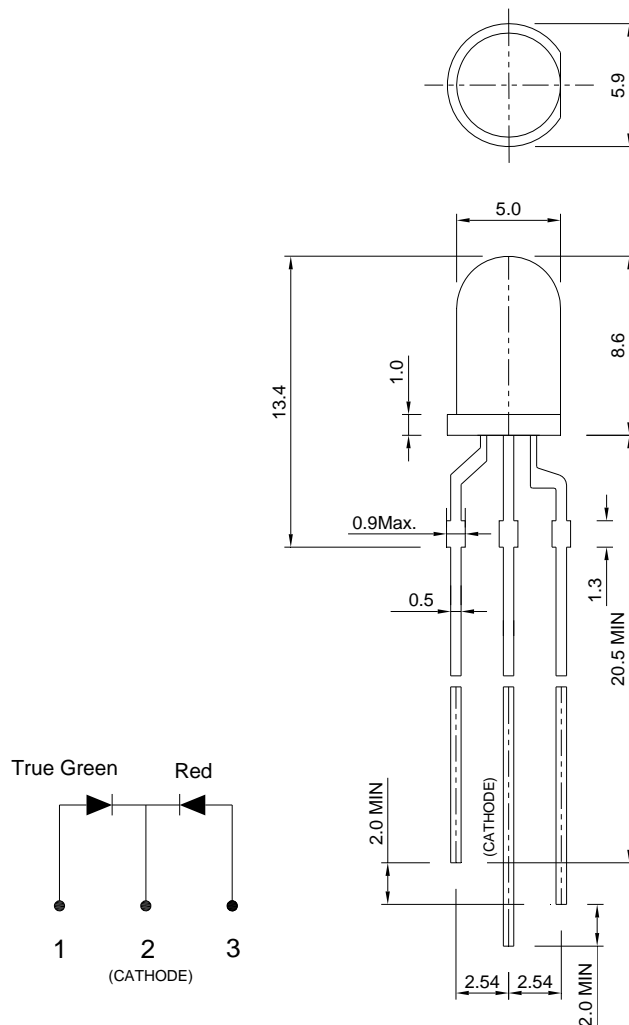
Emitted Color	P <sub>D</sub> (mW)	I <sub>F</sub> (mA)	I <sub>FP</sub> (mA)	T <sub>sol</sub> (°C)	I <sub>R</sub> (uA)@VR=5V	Topr(°C)	Tstg(°C)
Red	60	25	100	260 +/- 5	10	-40~+85	-40~+90
True-green	110	30	120	For 5 sec	50	-40~+85	-40~+90

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. Specifications are subject to change without notice.