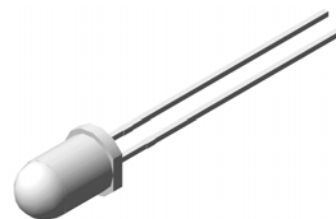


5mm Round Super Bright LED

VT B748

Description

These series high brightness Red emitting LED are made from the most efficient AlGaInP technology. Its chip material is of AlGaInP technology, able to reach high light output efficiency. These series of LED come in moisture resistance water clear lens while offering 30 degree viewing angles. The most suitable for traffic light signal application. The wavelengths and Luminous Intensities of this series are grouped under 20mA for uniformity.



Applications

- Single or dual color graphic signs
- Message boards
- Variable message signs
- Commercial outdoor advertising
- Traffic light single



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 B748	Red 	624	632	Clear	3550	5600	30	2.0	2.6

Absolute Maximum Ratings (at Ta=25°C)

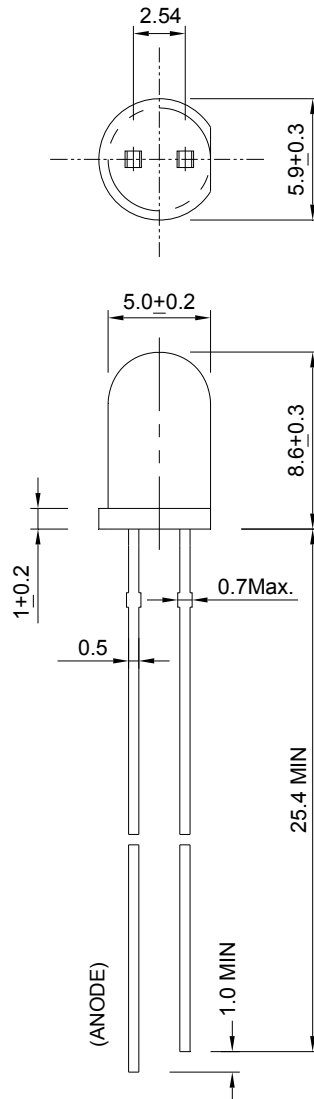
P _D (mW)	I _F (mA)	I _{FP} (mA)	ESD(V)	T _{sol} (°C)	I _R (uA)@V _R =5V	T _{opr} (°C)	T _{stg} (°C)
115	30	100	2000	260±5 fro 5 sec	10	-40~+85	-40~+100

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_{FP}: Peak Forward Current under 1/10 duty, 1KHz condition

Package Dimension:

unit: mm



Notes:

1. All dimensions are millimeters.
2. Dimensional 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.