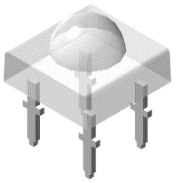
5mm Round Super Flux LED

VT 62B8

Description

The series of LED is known as 'Super Flux' LED, able to withstand high drive current application. With special design Lead-Frame, the heat dissipation capability is increased. During high operating forward current, the luminous intensity is increase tremendously. As such, the overall cost is reduced with less number of LED being used. These LED can be used as Traffic Single Light, Signal Board or in Full Color applications.



Features

- High luminous flux output
- Supreme heat dissipation
- Package in tubes for automatic insertion
- Luminous and color categorized for each tube

RoHS

Pb
pb-free

Electronic Optical Characteristics (at 30mA):

Part Number	Emitted Color	λ (nm)		Lens Color	Flux(mlm)		View Angle (2θ1/2)	VF(V)	
		λ d	λ p		Min.	Typ.		Typ.	Max.
VT 62B8	Blue	470	468	Clear	715	900	70	3.5	4.0

Absolute Maximum Ratings at Ta=25℃

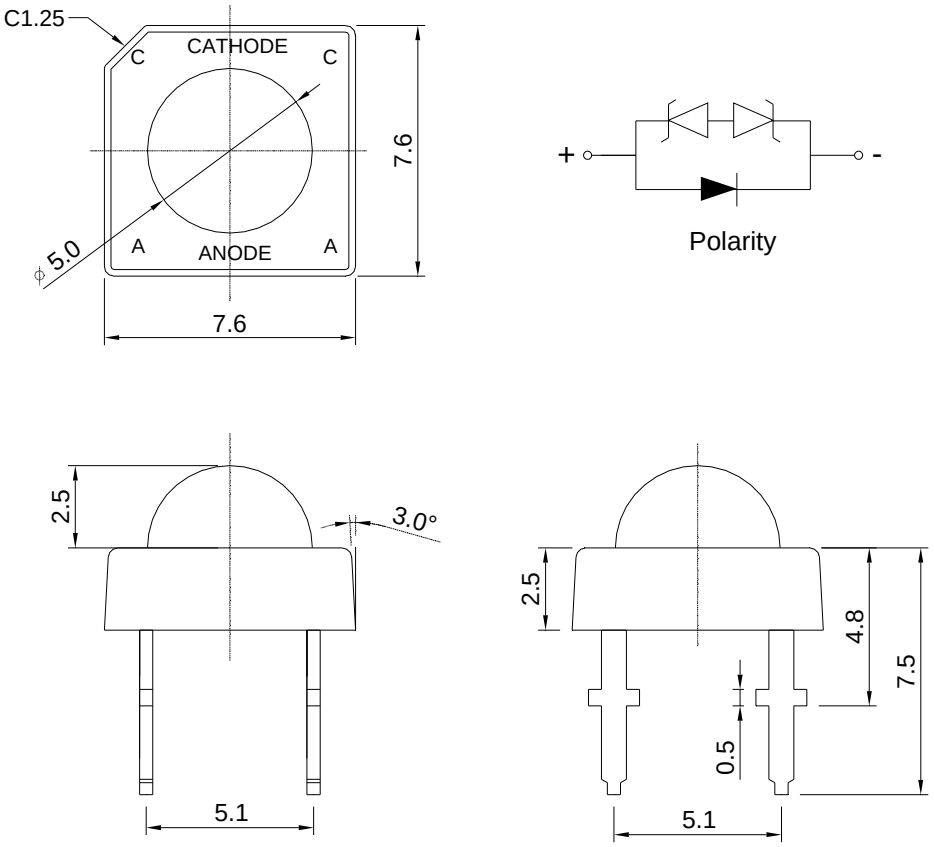
P_D(mW)	I_{FP}(mA)	I_F(mA)	ESD(V)	Tsol(℃)	I_R(uA)@$V_{R=}$5V	Topr(℃)	Tstg(℃)
120	100	30	4000	260±5 for 5 sec	50	-40~+85	-40+100

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.

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

Package Dimension:

unit: mm

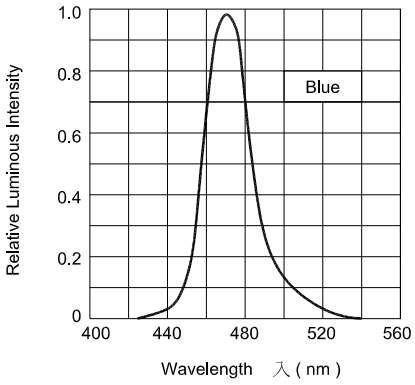


Notes:

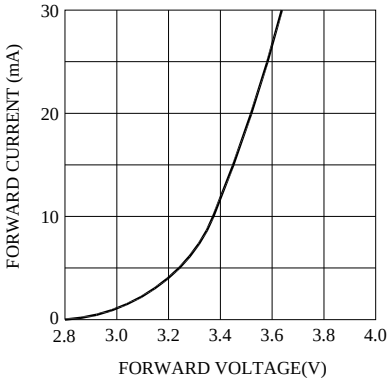
1. All dimensions are millimeters.
2. Dimensional tolerance is +/- 0.2mm unless otherwise specified.
3. Epoxy meniscus under flange is 1.5 mm max.
4. Specifications are subject to change without notice.

Typical Electro-optical Characteristics Curves

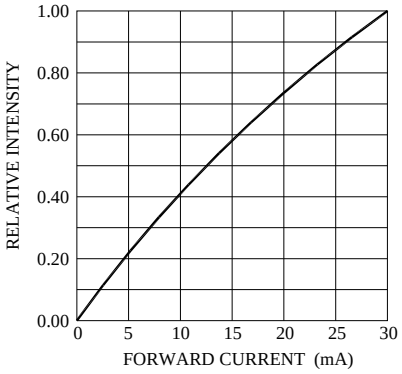
Relative Intensity vs. Wavelength



Forward Current vs. Forward Voltage



Relative Intensity vs. Forward Current



Forward Current vs. Ambient Temp.