



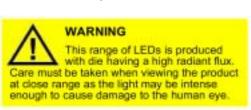
# SUPER FLUX LED BTF-57BLCS-XX-X

#### **Product Features**

- Ultra Bright Blue Color
- High Light Output
- 5mm Super Flux Package
- Water Clear Lens
- Highly Reliable
- IC Compatible
- Leads with Stand Off

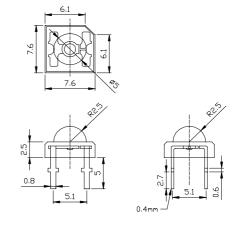
### **Applications**

- Outdoor Sign Board
- Automotive
- Front Panel Indicator
- Special Lighting
- General Purpose LEDs



Note: Industry standard procedures regarding static must be observed when handling this product.

#### **Package Dimension**



Tolerance: 
$$\pm \frac{\text{inch}}{mm}$$
 Unit:  $\pm \frac{0.01}{0.25}$ 

# Optical and Electrical Characteristics at T<sub>a</sub>=25

Parameter	Symbol	Minimum	Typical	Maximum	Units	Conditions
Luminous Intensity	lv	3500	5000	-	mcd	I <sub>F</sub> = 20mA (Note 1)
Viewing Angle	2θ <sub>1/2</sub>	-	90	-	degree	I <sub>F</sub> = 20mA
Peak Wavelength	λ <sub>P</sub>	460	-	470	nm	I <sub>F</sub> = 20mA (Note 2)
DC Forward Voltage	V <sub>F</sub>	-	3.5	4.0	V	I <sub>F</sub> = 20mA
DC Reverse Current	I <sub>R</sub>	0	-	10	μΑ	V <sub>R</sub> =5V

#### Notes:

- 1. Light intensity measures the light sensing response standard using chromatic meter. Refer to the CIE eye-response curve set by International Lighting committee. Tolerance of minimum and maximum intensity =  $\pm 15\%$
- 2. Color coordinates range can be selected from the bin selection table. The parameters used fulfilled the 1932 2 standard
- 3. These products are sensitive to static electricity and care must be fully taken when handling products





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# Absolute Maximum Ratings at T<sub>a</sub>=25

Symbol	Parameter	Max.	Unit	
$P_{D}$	Power Rating	80	mW	
$V_R$	Reverse Voltage (I <sub>R</sub> =10μA)	5	V	
I <sub>F</sub>	Continuous Forward Current	30	mA	
I <sub>PF</sub>	Peak Forward Current (0.1 duty cycle @ 1kHz)	100	mA	
T <sub>opr</sub>	Operating Temperature Range	<b>-35</b> ~ <b>+</b> 80		
T <sub>stg</sub>	Storage Temperature Range	<b>-40</b> ~ + 100		
Lead Soldering Temperature [1.6mm (0.063inch) from body]		260 - max 5 seconds		

## Color and Brightness Selection

