



Package Dimension

UBLECIRU² Composants électroniques Electronic components

SUPER FLUX LED

BTF-57GMCS-XX-X

Product Features

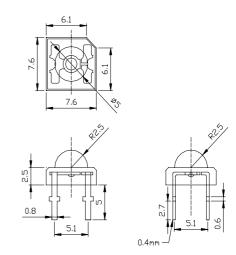
- Ultra Bright Emerald Green Color
- High Light Output
- 5mm Super Flux Package
- Water Clear Lens
- Highly Reliable
- IC Compatible
- Leads without Stand Off

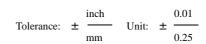
Applications

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

Care must at close ra	WARNING This range of LEDs is produced with die having a high radiant flux be taken when viewing the produ nge as the light may be intense
	cause damage to the human eye

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





Optical and Electrical Characteristics at Ta=25

Parameter	Symbol	Minimum	Typical	Maximum	Units	Conditions
Luminous Intensity	lv	2500	4000	-	mcd	I _F = 20mA (Note 1)
Viewing Angle	20 _{1/2}	-	90	-	degree	I _F = 20mA
Peak Wavelength	λ _P	510	-	520	nm	I _F = 20mA (Note 2)
DC Forward Voltage	V _F	-	3.3	4.0	V	I _F = 20mA
DC Reverse Current	I _R	0	-	10	μA	V _R =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. Wavelength range can be selected from the bin selection table. Tolerance of minimum and maximum = ± 2.5nm
- 3. These products are sensitive to static electricity and care must be fully taken when handling products



DB LECTRO² Composants électroniques Electronic components

SUPER FLUX LED

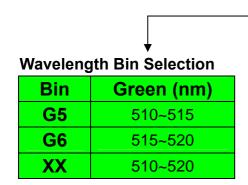
BTF-57GMCS-XX-X

Absolute Maximum Ratings at Ta=25

Symbol	Parameter	Max.	Unit
PD	Power Rating	80	mW
V _R	Reverse Voltage (I _R =10µA)	5	v
I _F	Continuous Forward Current	30	mA
I _{PF}	Peak Forward Current (0.1 duty cycle @ 1kHz)	100	mA
T _{opr}	Operating Temperature Range	-35 ~ + 80	
T _{stg}	Storage Temperature Range	-40 ~ + 100	
Lead Soldering Temperature [1.6mm (0.063inch) from body]		260 - max	c 5 seconds

BTF-57GMCS-XX-X

Wavelength and Brightness Selection



Brightness Bin Selection

Bin	Range (mcd)
S	2500~3500
Т	3500~4900
U	4900~6900