

SMC470

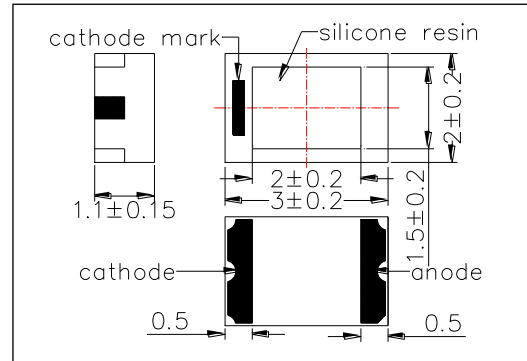
High Bright Blue Color SMD LED on Ceramics

SMC470 consists of an InGaN LED mounted on the ceramics package and is sealed with silicone resin. It emits a spectral band of radiation at 465nm.

<Specifications>

1. Product Name: SMD type Blue Color LED
2. Type Number: SMC470
3. Chip:
 - Chip Material: InGaN
 - Peak Wavelength: 465nm type
4. Package
 - Package: Ceramics
 - Lens: Silicone Resin

Outer Dimension (Unit:mm)



Absolute Maximum Ratings				
Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	PD	200	mW	Ta=25°C
Forward Current	IF	50	mA	Ta=25°C
Reverse Voltage	VR	5	V	Ta=25°C
Operating Temperature	TOPR	-20 ~ +85	°C	
Storage Temperature	TSTG	-30 ~ +100	°C	
Soldering Temperature*	TSOL	250	°C	

* Soldering condition must be completed within 3 seconds at 240°C

Electro-Optical Characteristics[Ta=25°C]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		3.4	4.3	V
Reverse Current	IR	VR=5V			10	uA
Radiated Power*	PO	IF=20mA		6		mW
Brightness	IV	IF=20mA		400		mcd
Peak Wavelength	λP	IF=20mA	455	465	475	nm
Half Width	Δλ	IF=20mA		25		nm
Viewing Half Angle	θ1/2	IF=20mA		±55		deg

* Measured by Photodyne #500

