

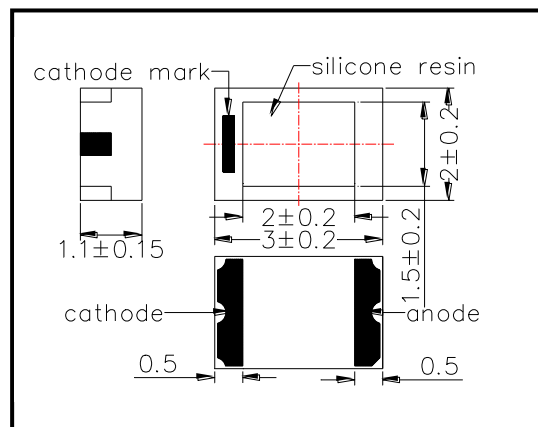
SMC395 UV color SMD LED on ceramics

SMC395 consists of an InGaN LED mounted on the ceramics package and is sealed with silicone resin. It emits a spectral band of radiation at 395nm.

◆ Outer dimension (Unit: mm)

◆ Specifications

- 1) Product Name SMD type UV color LED
- 2) Type No. SMC395
- 3) Chip
- (1) Chip Material InGaN
- (2) Peak Wavelength 395nm typ.
- 4) Package
- (1) Lead Frame Die Ceramics
- (2) Lens Silicone resin



◆ Absolute Maximum Ratings

Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	P _D	180	mW	T _a =25°C
Forward Current	I _F	50	mA	T _a =25°C
Reverse Voltage	V _R	5	V	T _a =25°C
Operating Temperature	T _{OPR}	-20 ~ +80	°C	
Storage Temperature	T _{STG}	-30 ~ +80	°C	
Soldering Temperature	T _{SOL}	255	°C	

‡Soldering condition: Soldering condition must be completed within 10 seconds at 255°C

◆ Electro-Optical Characteristics [T_a=25°C]

Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	V _F	I _F =20mA		3.5	4.0	V
Reverse Current	I _R	V _R =5V			10	uA
Total Radiated Power	P _O	I _F =20mA	4	8		mW
Brightness	I _V	I _F =20mA	4	8		mcd
Radiant Intensity	I _E	I _F =20mA		-		mW/sr
Peak Wavelength	λ _P	I _F =20mA	385	395	405	nm
Half Width	Δλ	I _F =20mA		15		nm
Viewing Half Angle	θ _{1/2}	I _F =20mA		±55		deg.

‡Radiated Power is measured by S3584-08.

‡Brightness is measured by Tektronix J-16.

‡Radiated intensity is measured by Ando Optical Multi Meter AQ2140 & AQ2741

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