

## SMC395

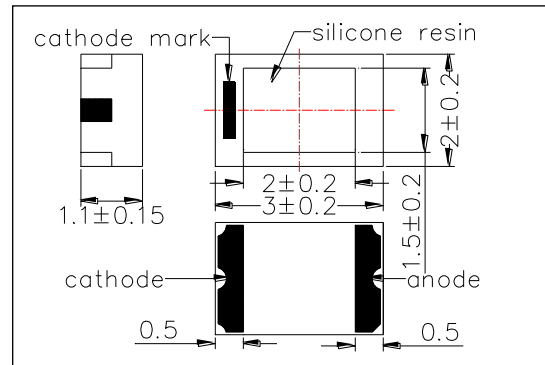
### UV Color SMD LED on Ceramics

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.

<Specifications>

1. Product Name: SMD type UV Color LED
2. Type Number: SMC395
3. Chip:
  - Chip Material: InGaN
  - Peak Wavelength: 395nm type
4. Package
  - Lead Frame Die: Ceramics
  - Lens: Silicone Resin

Outer Dimension (Unit:mm)



Absolute Maximum Ratings				
Item	Symbol	Maximum Rated Value	Unit	Ambient Temperature
Power Dissipation	PD	110	mW	Ta=25°C
Forward Current	IF	30	mA	Ta=25°C
Reverse Voltage	VR	5	V	Ta=25°C
Junction Temperature	Tj	100	°C	
Thermal Resistance	Rthja	210	K/W	
Operating Temperature	TOPR	-40 ~ +80	°C	
Storage Temperature	TSTG	-40 ~ +80	°C	
Soldering Temperature*	TSOL	250	°C	

\* Soldering condition must be completed within 5 seconds at 250°C

Electro-Optical Characteristics[Ta=25°C]						
Item	Symbol	Condition	Minimum	Typical	Maximum	Unit
Forward Voltage	VF	IF=20mA		3.5	4.0	V
Reverse Current	IR	VR=5V			10	uA
Radiated Power*	PO	IF=20mA	6	11		mW
Radiant Intensity	IE	IF=20mA				mW/sr
Peak Wavelength	λP	IF=20mA	385	395	405	nm
Half Width	Δλ	IF=20mA		15		nm
Viewing Half Angle	θ1/2	IF=20mA		±55		deg

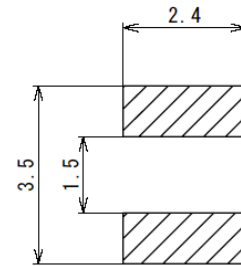
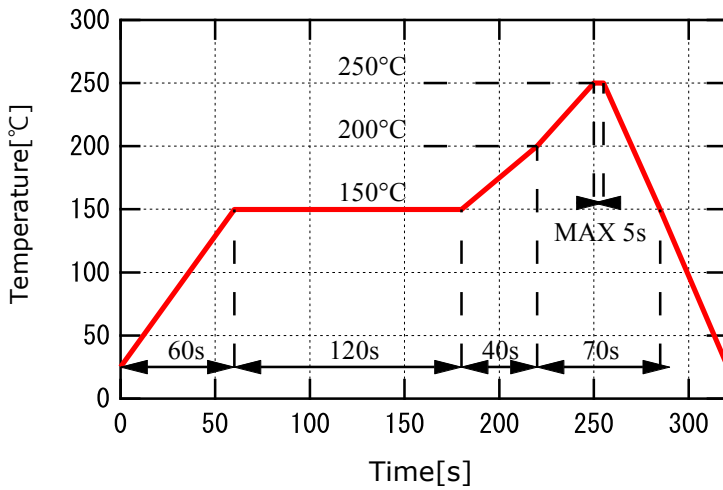
\* Measured by S3584-08



**SMD Application**

Recommended reflow soldering profile

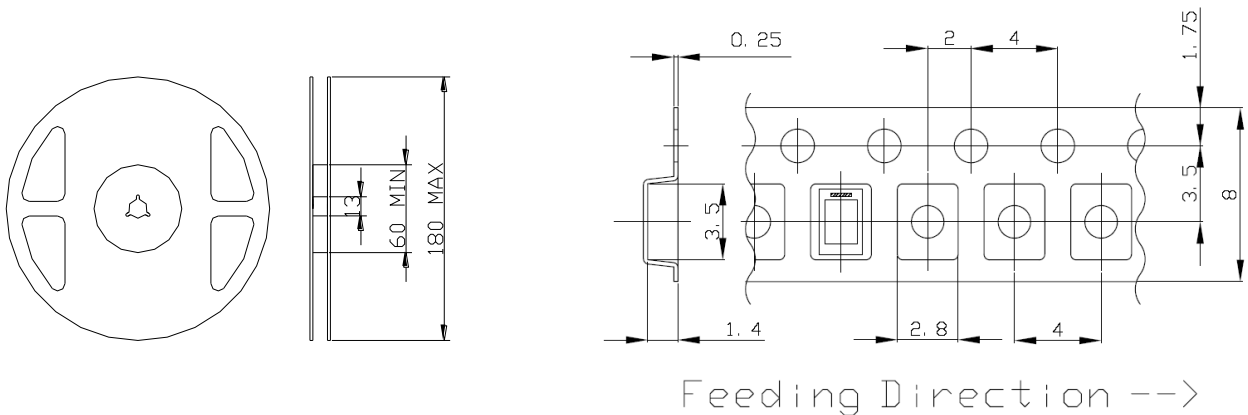
Recommended Land layout (Unit:mm)



Don't put stress on SMD and a circuit board after soldering

**SMD Packing**

Tape and Reel Dimensions (Unit:mm)



**Wrapping**

Moisture barrier bag aluminum laminated film with a desiccant to keep out the moisture absorption during the transportation and storage.