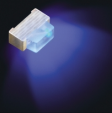


# Low Current Type (IF≤10mA) Side view chip LEDs

## SMLA12 Series

Package Size (mm)	Blue
	InGaN on SiC
	468nm
1611 (0605) 1.6×1.15 t=0.55	
	SMLA12BC4T

Note) "-" will be taken out for emitting color B/E series.

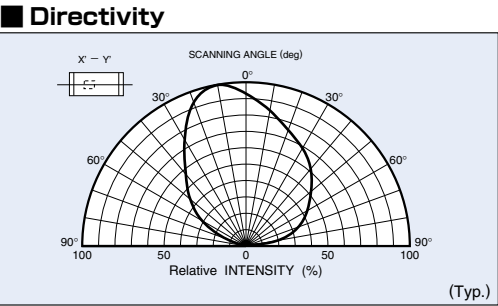
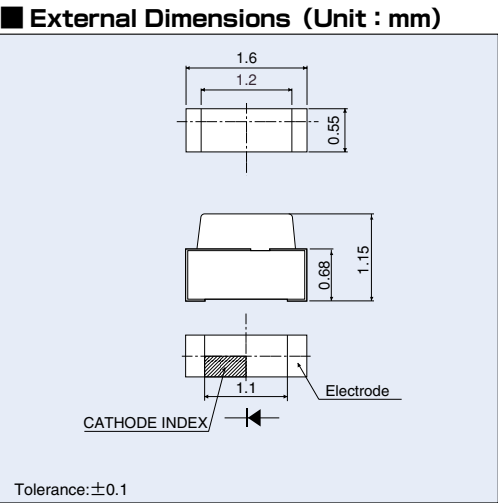
### Absolute Maximum Ratings (Ta=25℃)

Part No.	Emitting color	Power dissipation Pd (mW)	Forward current IF (mA)	Peak forward current * IFP (mA)	Reverse voltage VR (V)	Operating temperature Topr (℃)	Stotage temperature Tstg (℃)
SMLA12BC4T	Blue	74	20	100	5	-30 to +85	-40 to +100

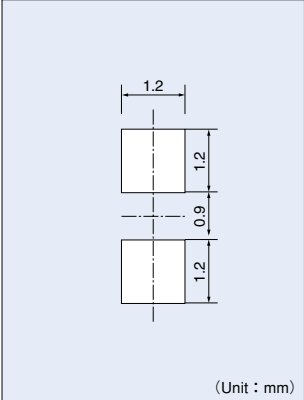
\* IFP measured under duty ≤1/ 10 1KHZ

### Electrical Optical Characteristics (Ta=25℃)

Part No.	Resin Color	Forward voltage VF		Reverse current IR		Light wavelength			Brightness Iv		
		Typ. (V)	IF (mA)	Max. (μA)	VR (V)	Peak λp (nm)	Half-wave Δλ (nm)	IF (mA)	Min. (mcd)	Typ. (mcd)	IF (mA)
SMLA12BC4T	Transparent Clear	2.9	5	100	5	468	26	5	5.6	14	5

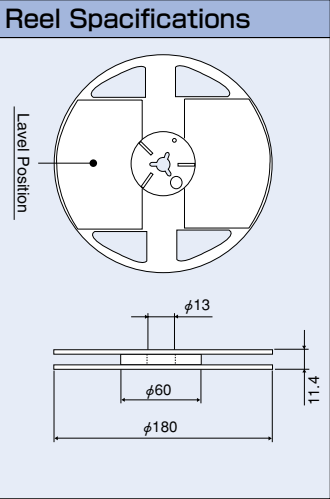
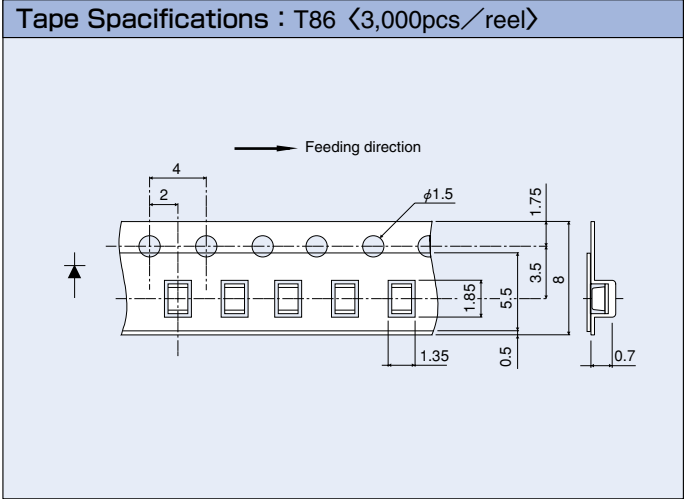


### Recommended Pad Layout



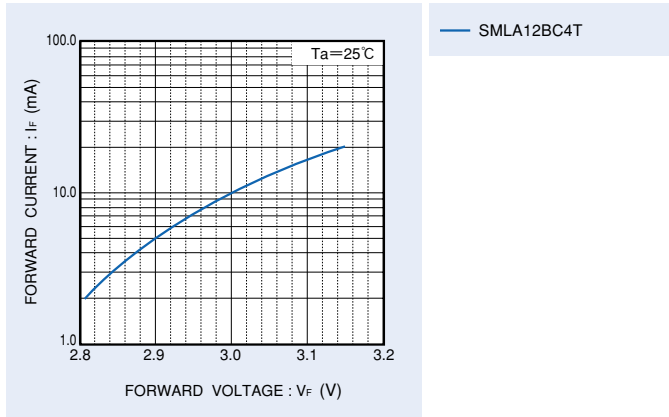
The recommended thickness of the screen mask for soldering is more than 150μm. The hole size of the screen mask should be same as the recommended land pattern or smaller.

### Packaging Specifications (Unit : mm)

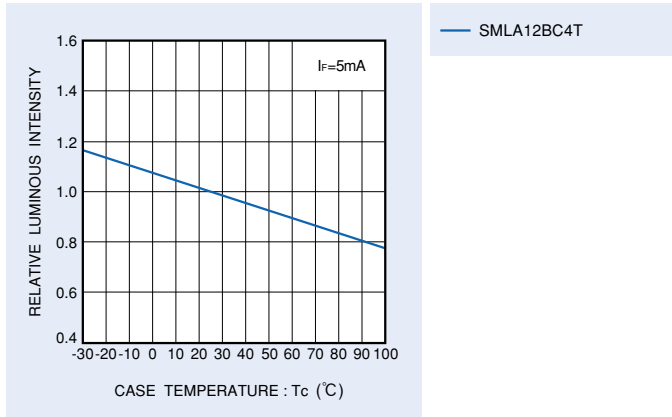


## Electrical Characteristic Curves

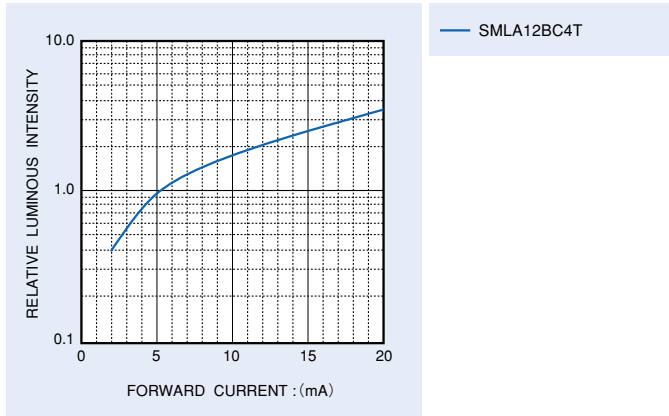
### Forward Current - Forward Voltage



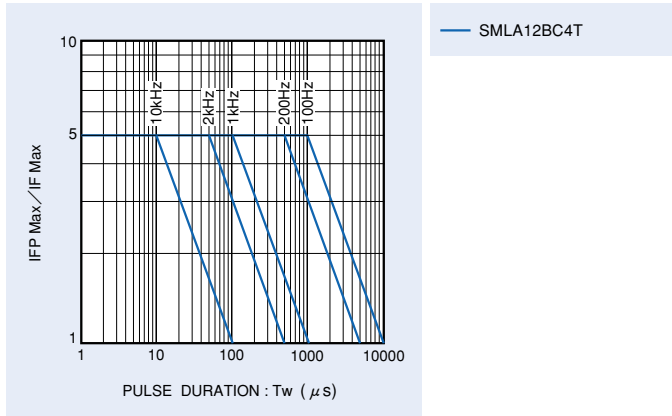
### Relative Luminous Intensity - Case Temperature



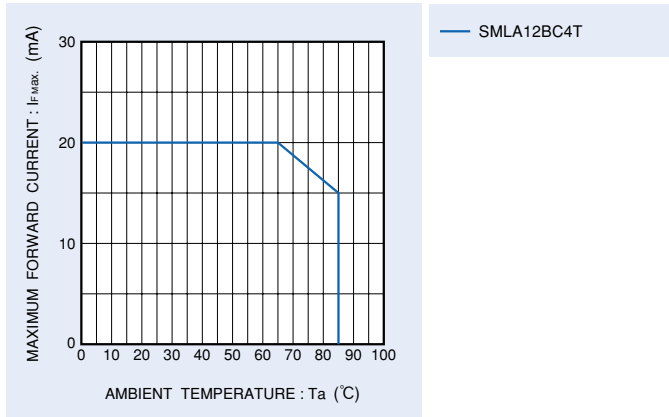
### Relative Luminous Intensity - Forward Current



### Ratio of Maximum Tolerable Peak Current - Pulse Duration



## Derating



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