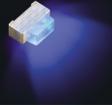


# Low Current Type ( $I_F \leq 10\text{mA}$ ) Side view chip LEDs

## 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 ( $T_a=25^\circ\text{C}$ )

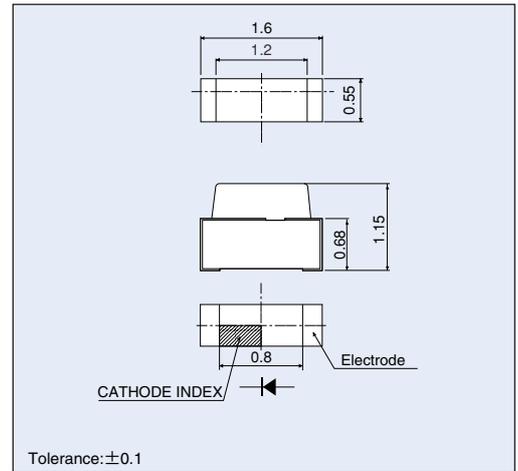
Part No.	Emitting color	Power dissipation $P_D$ (mW)	Forward current $I_F$ (mA)	Peak forward current * $I_{FP}$ (mA)	Reverse voltage $V_R$ (V)	Operating temperature $T_{opr}$ ( $^\circ\text{C}$ )	Storage temperature $T_{stg}$ ( $^\circ\text{C}$ )
SMLA12BC4T	Blue	74	20	100	5	-30 to +85	-40 to +100

\*  $I_{FP}$  measured under duty  $\leq 1/10$  1KHZ

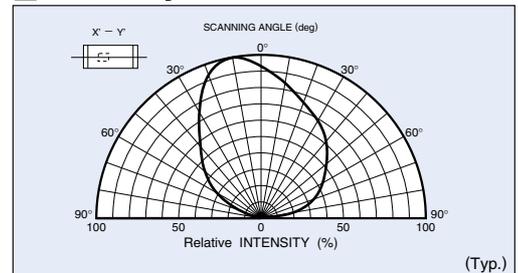
### Electrical Optical Characteristics ( $T_a=25^\circ\text{C}$ )

Part No.	Resin Color	Forward voltage $V_F$		Reverse current $I_R$		Light wavelength			Brightness $I_v$		
		Typ. (V)	$I_F$ (mA)	Max. ( $\mu\text{A}$ )	$V_R$ (V)	Peak $\lambda_p$ (nm)	Half-wave $\Delta\lambda$ (nm)	$I_F$ (mA)	Min. (mcd)	Typ. (mcd)	$I_F$ (mA)
SMLA12BC4T	Transparent Clear	2.9	5	100	5	468	26	5	5.6	14	5

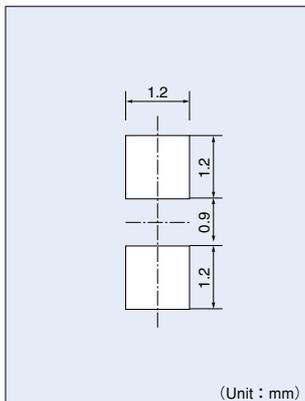
### External Dimensions (Unit : mm)



### Directivity

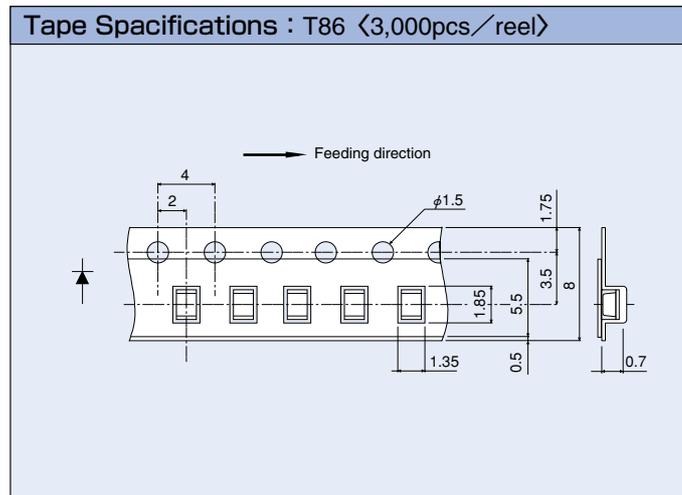


### Recommended Pad Layout

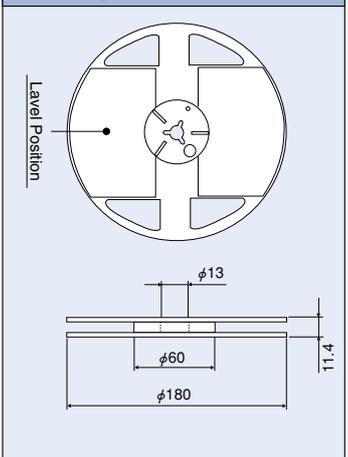


The recommended thickness of the screen mask for soldering is more than  $150\mu\text{m}$ . The hole size of the screen mask should be same as the recommended land pattern or smaller.

### Packaging Specifications (Unit : mm)

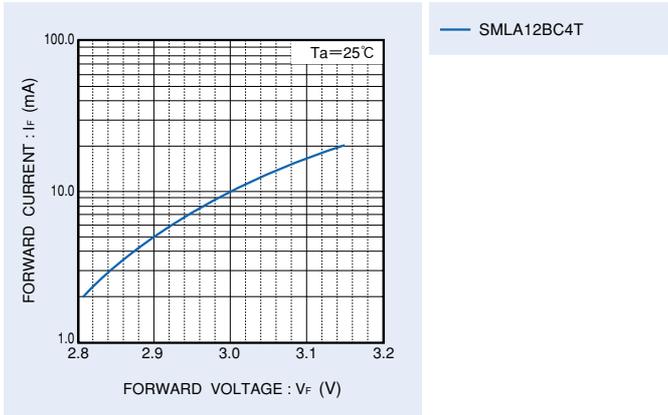


### Reel Specifications

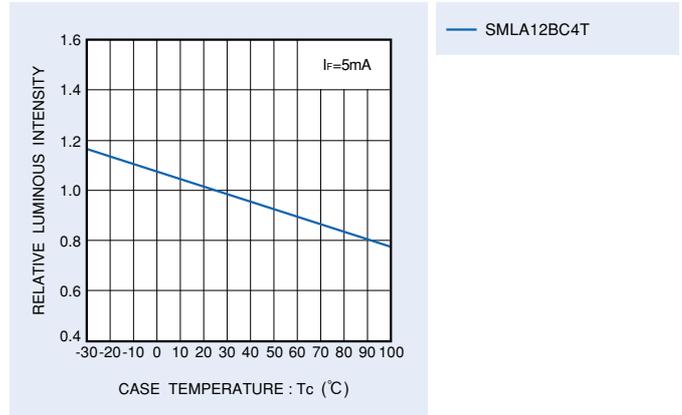


## Electrical Characteristic Curves

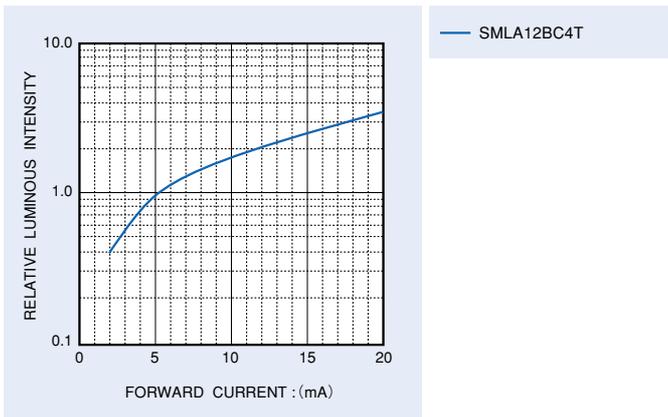
### Forward Current - Forward Voltage



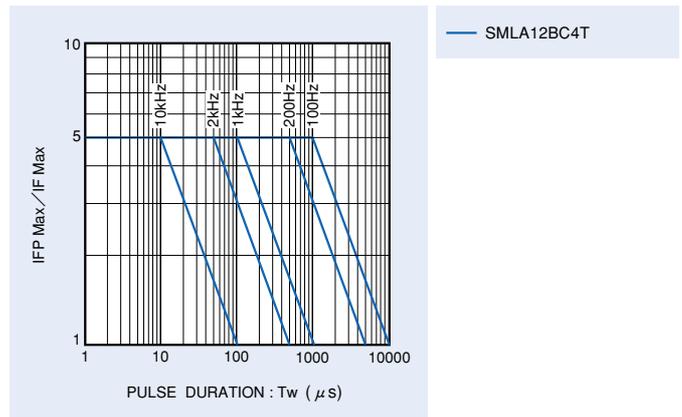
### Relative Luminous Intensity - Case Temperature



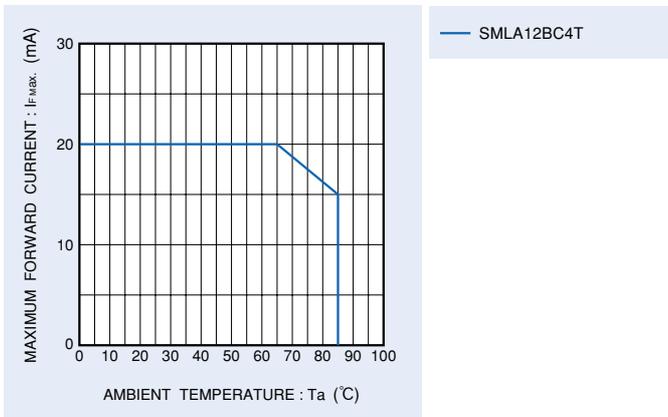
### Relative Luminous Intensity - Forward Current



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



## Derating



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