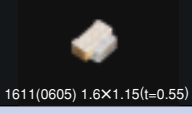


Side View Chip LEDs 0605 <1.6×1.15 t=0.55mm> Low Current Type(I_F ≤ 10mA)

SMLA12 Series

Side View

Emitting Color	Blue
Material	InGaN on SiC
Package Size(mm)	 1611(0605) 1.6×1.15(t=0.55)
Part No.	SMLA12BC6T

note) "*" will be taken out for emitting color B/E series.

Absolute Maximum Ratings (Ta=25°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} (°C)	Storage temperature T _{stg} (°C)
SMLA12BC6T	Blue	66	20	100	5	-30 to +85	-40 to +100

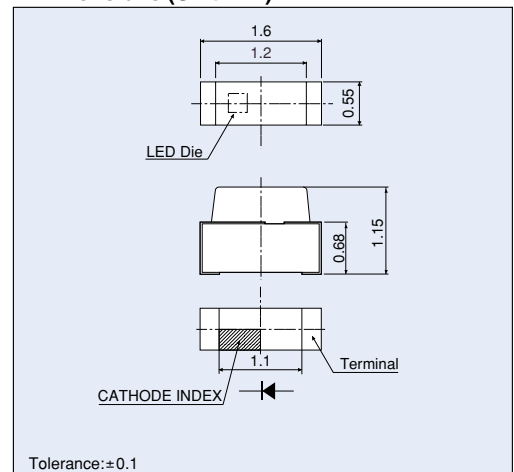
*:Duty ≤ 1/10 1kHz

Electrical Optical Characteristics (Ta=25°C)

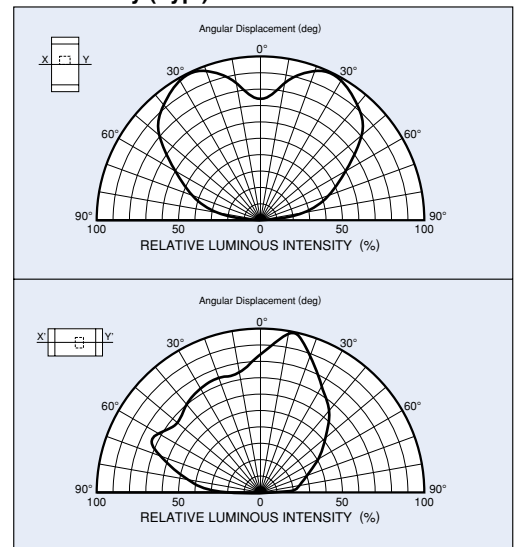
Part No.	Resin Color	Forward voltage V _F		Reverse current I _R		Light wavelength			Brightness I _v		
		Typ. (V)	I _F * (mA)	Max. (μA)	V _R (V)	Peak λ _p (nm)	Half-wave Δλ (nm)	I _F * (mA)	Min. (mcd)	Typ. (mcd)	I _F * (mA)
SMLA12BC6T	Transparent Colorless	2.9	5	100	5	468	26	5	5.6	16	5

*Pulse width : 30ms

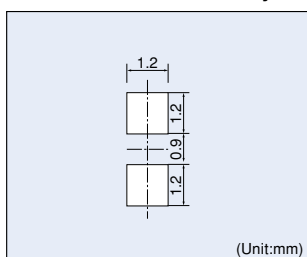
Dimensions (Unit:mm)



Directivity (Typ.)

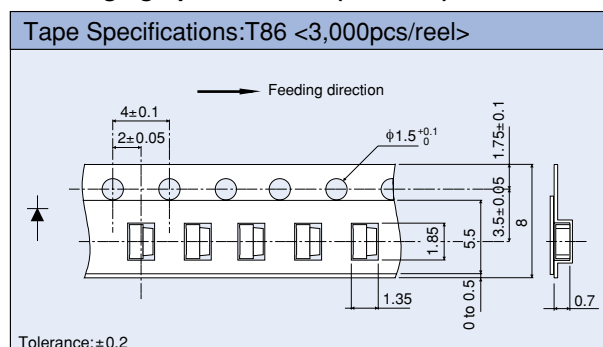


Recommended Pad Layout

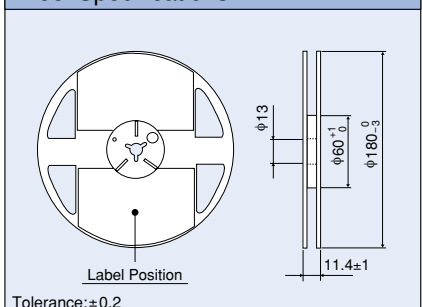


The recommended thickness of the screen mask for soldering is more than 150μm. The hole size of the screen mask should be same as the recommended land pattern or smaller.

Packaging Specifications (Unit:mm)

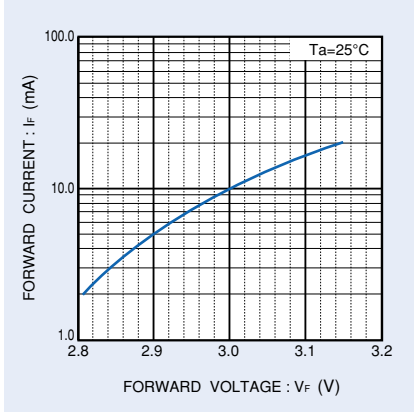


Reel Specifications



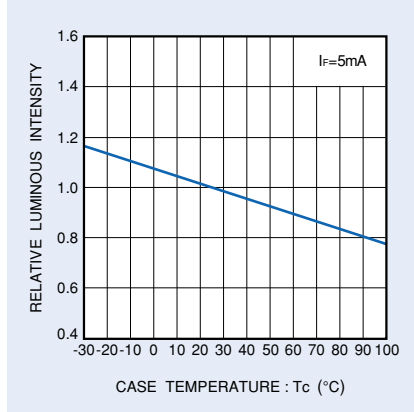
■Electrical Characteristic Curves

Forward Current - Forward Voltage



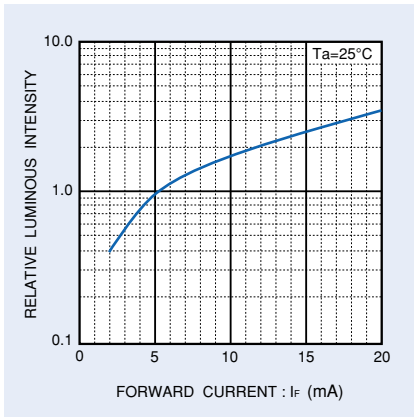
— SMLA12BC6T

Relative Luminous Intensity - Case Temperature



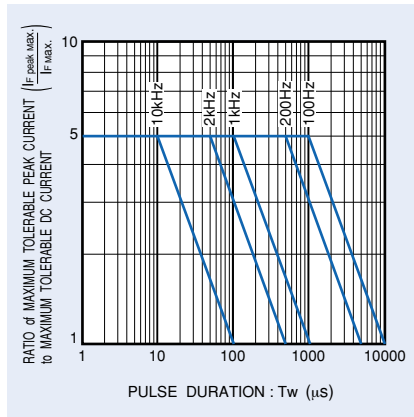
— SMLA12BC6T

Relative Luminous Intensity - Forward Current



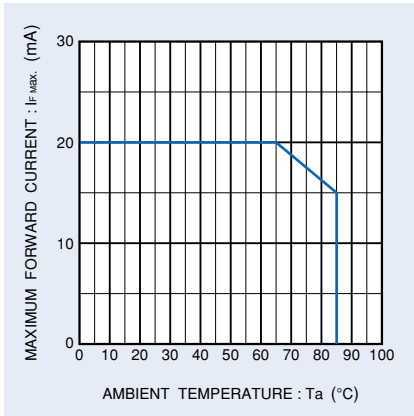
— SMLA12BC6T

Ratio of Maximum Tolerable Peak Current - Pulse Duration



— SMLA12BC6T

Derating



— SMLA12BC6T

Notes

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