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

SMLA12 Series



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

■ Absolute Maximum Ratings (Ta=25°C)

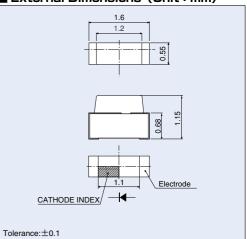
Part No.	Emitting color	Power dissipation Po (mW)	Forward current IF (mA)	Peak forward current * IFP (mA)	Reverse voltage VR (V)		Stotage temperature Tstg (°C)
SMLA12BC4T	Blue	74	20	100	5	-30 to +85	-40 to +100

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

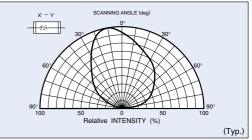
Electrical Optical Characteristics (Ta=25°C)

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

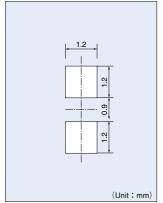
External Dimensions (Unit : mm)



Directivity

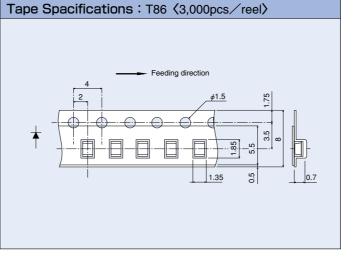


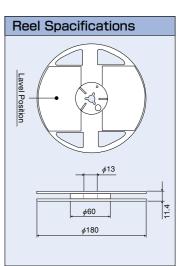
Recommemded Pad Layout



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.

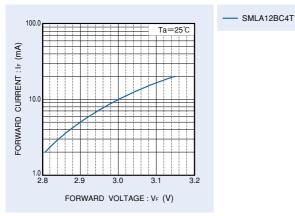
Packaging Spacifications (Unit : mm)



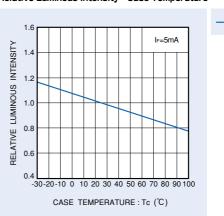


Electrical Characteristic Curves

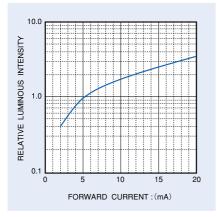
Forward Current - Forward Voltage



Relative Luminous Intensity - Case Temperature

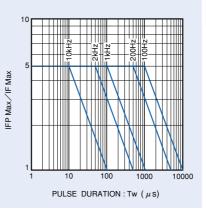


Relative Luminous Intensity - Forward Current





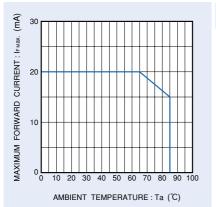
Ratio of Maximum Tolerable Peak Current - Pulse Duration



- SMLA12BC4T

SMLA12BC4T

Derating



— SMLA12BC4T

Notes

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