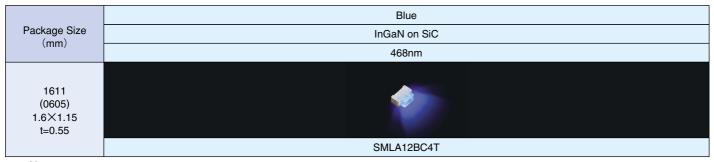
Low Current Type (IF≦10mA) Side view chip LEDs

SMLA12 Series



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

■ Absolute Maximum Ratings (Ta=25°C)

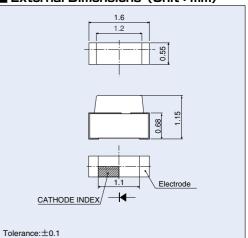
| Part No. | Emitting color | Power dissipation Po (mW) | Forward current IF (mA) | Peak forward current * IFP (mA) | Reverse voltage VR (V) | | Stotage temperature Tstg (°C) |
|------------|-------------------|------------------------------------|----------------------------------|---|---------------------------------|------------|--|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

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

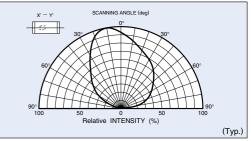
Electrical Optical Characteristics (Ta=25°C)

| Part No. | Resin Color | Forward voltage VF | | Reverse current In | | Light wavelength Peak Half-wave $\lambda p \qquad \Delta \lambda$ | | | Brightness Iv | | |
|------------|-------------------|--------------------------|------------|--------------------------|-----------|---|--------------|------------|------------------|---------------|------------|
| | | Тур. (V) | l⊧ (mA) | Max. (μA) | Vr (V) | Typ. (nm) | Typ. (nm) | l⊧ (mA) | Min. (mcd) | Typ. (mcd) | l⊧ (mA) |
| SMLA12BC4T | Transparent Clear | 2.9 | 5 | 100 | 5 | 468 | 26 | 5 | 5.6 | 14 | 5 |

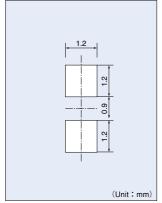
External Dimensions (Unit : mm)



Directivity

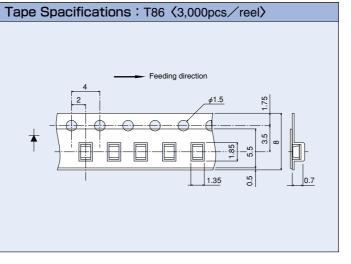


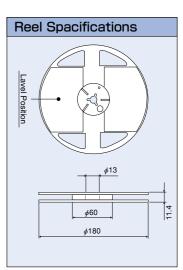
Recommemded Pad Lavout



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.

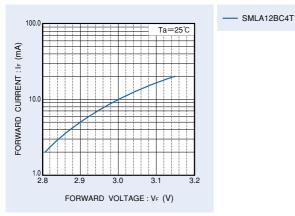
Packaging Spacifications (Unit : mm)



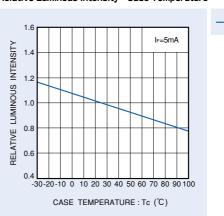


Electrical Characteristic Curves

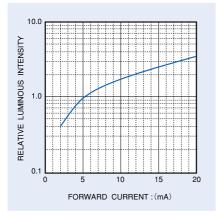
Forward Current - Forward Voltage



Relative Luminous Intensity - Case Temperature

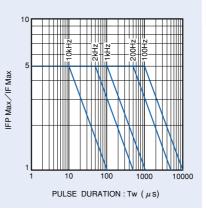


Relative Luminous Intensity - Forward Current





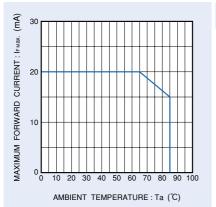
Ratio of Maximum Tolerable Peak Current - Pulse Duration



- SMLA12BC4T

SMLA12BC4T

Derating



— SMLA12BC4T

Notes

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