

Pb Free
 ROHM Electronic Components

RoHS
 Directive Compliance

Emitting Color	Blue	Green
Material	InGaN on SiC	
Package Size(mm)		
 1608(0603) 1.6×0.8(t=0.36)		
Part No.	SMLE12BC7T	SMLE12EC6T

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)
SMLE12BC7T	Blue	66	20	100	5	-30 to +85	-40 to +100
SMLE12EC6T	Green	68					

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	Half-wave Δλ	I _F (mA)	Min. (mcd)	Typ. (mcd)	I _F (mA)
						Typ. (nm)	Typ. (nm)				
SMLE12BC7T	Transparent	2.9	5	100	5	468	26	5	9.0	22	5
SMLE12EC6T	Colorless	3.0				521	35		36	85	

Technical drawing of a component with the following dimensions and features:

- Top view: Overall width 1.6, inner width 1.2, height 0.8.
- Side view: Height 0.36, with a tolerance of $+0.04$ to -0.1 . A feature is dimensioned as 0.13.
- Front view: Overall width 0.8, height 0.65. A feature is labeled "Terminal".

Tolerance: ± 0.1

Technical drawing of a stepped shaft. The shaft has a total length of 100 mm and a total diameter of 10 mm. It consists of two steps. The first step has a diameter of 8 mm and a length of 40 mm. The second step has a diameter of 10 mm and a length of 60 mm. The dimensions are given in mm.

Tape Specifications : T86 <5,000pcs/reel>

Technical drawing of a circular part showing a top view and a side view.

The top view shows a circular part with four rectangular slots and four semi-circular slots. A central feature is labeled "Label Position" with a leader line.

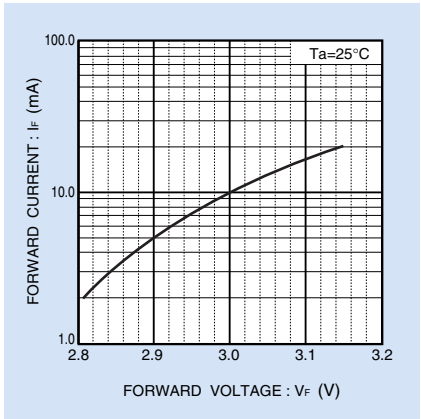
The side view shows the part's thickness and dimensions:

- Total thickness: 11.4 ± 1
- Inner diameter: $\phi 60 \pm 1$
- Outer diameter: $\phi 180 \pm 3$
- Dimension 13 is also shown for the inner diameter.

Tolerance: ± 0.2

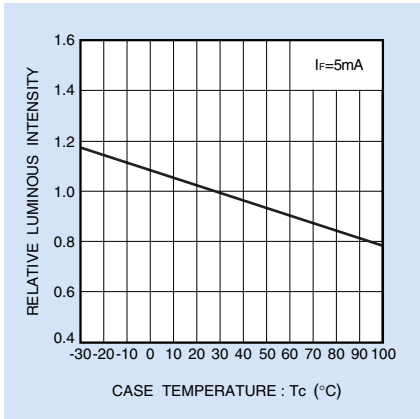
■Electrical Characteristic Curves

Forward Current - Forward Voltage



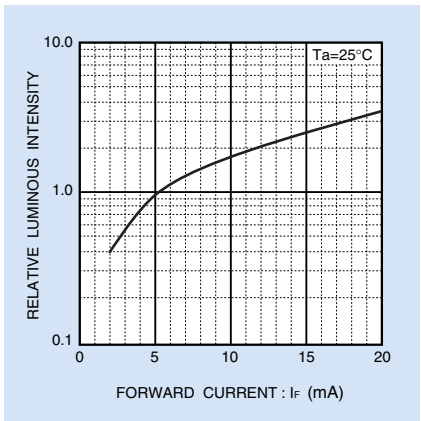
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SMLE12EC6T

Relative Luminous Intensity - Case Temperature



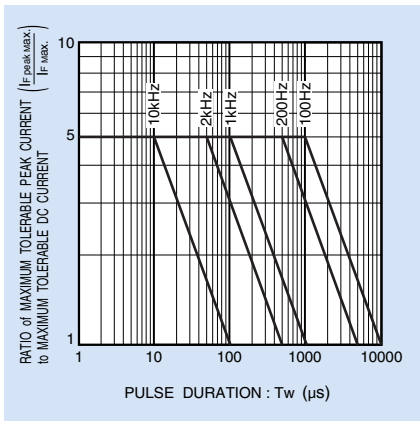
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Relative Luminous Intensity - Forward Current



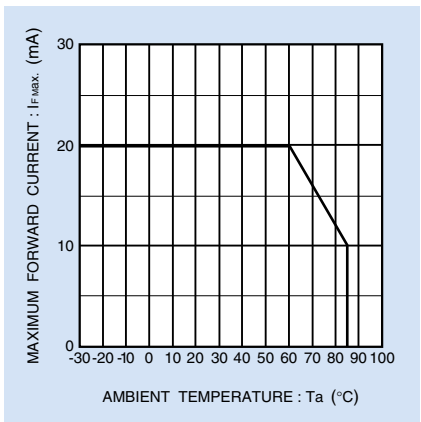
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Ratio of Maximum Tolerable Peak Current - Pulse Duration



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Derating



— { SMLE12BC7T
SMLE12EC6T

Notes

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