

Low Current Side View Chip LED (16115) SMLA12BC7T

Usage

Source of light for display unit.

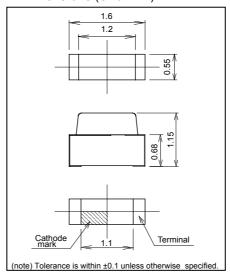
Features

- 1) Side-view type
- 2) Low current blue LED

Construction

InGaN on SiC

Dimensions (Unit : mm)



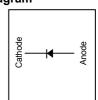
Recommended pad layout

(Unit:mm)

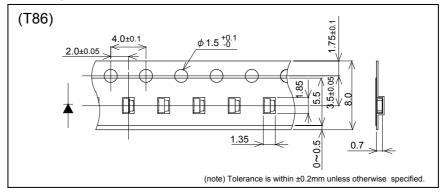
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Circuit diagram



● Taping specifications (Unit: mm)



● Absolute maximum ratings (Ta=25°C)

Parameter	Symbol		Limits		Unit			
Power dissipation	Po		66		mW			
Forward current	lF		20		mA			
Peak forward current	I FP		100		mA *1			
Reverse voltage	VR		5		V			
Operating temperature	Topr	-30	to	+85	°C			
Storage temperature	Tstg	-40	to	+100	°C			

*1 Duty1/10 1kHz

● Luminous classification(Ta=25°C, IF=5mA)

Symbol	Luminous classification range				
L	5.6	to	9.0	mcd	
М	9.0	to	14	mcd	
N	14	to	22	mcd	
Р	22	to	36	mcd	

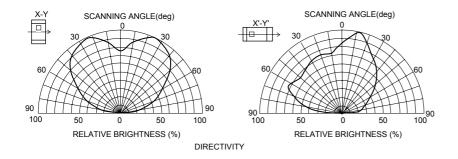
Measurement tolerance: ±10%

● Electrical-Optical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	VF	ı	2.9	3.3	V	I=5mA *2
Reverse current	lr	ı	-	100	μΑ	V _R =5V
Luminous intensity	lv	5.6	16	36	mcd	I=5mA *2
Dominant wavelength *3	λ D	465	470	475	nm	I _F =5mA *2

^{*2} Pulse width: 30ms

^{*3} Measurement tolerance: ±1nm



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