

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) @ 10mA		Description
			Min.	Typ.	
SA23-11PBWA	BLUE (InGaN)	WHITE DIFFUSED	26000	82400	Common Anode, Rt. Hand Decimal

Electrical / Optical Characteristics at TA=25°C

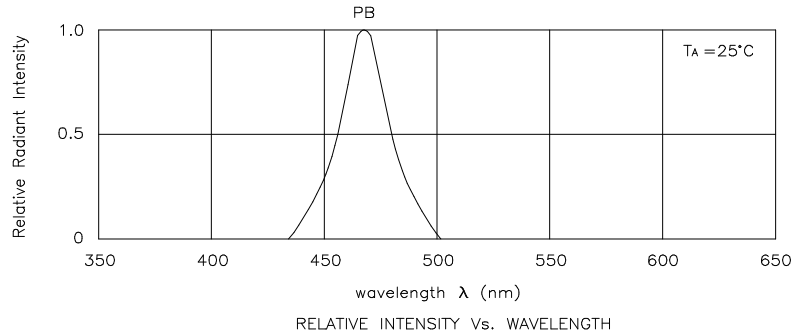
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Blue	468		nm	IF=20mA
λ_D	Dominant Wavelength	Blue	470		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Blue	25		nm	IF=20mA
C	Capacitance	Blue	65		pF	VF=0V;f=1MHz
VF	Forward Voltage Per Segment (DP)	Blue	14.6 (7.3)	16.8 (8.4)	V	IF=20mA
IR	Reverse Current Per Segment (DP)	Blue		10 (10)	uA	VR = 20V (VR = 10V)

Absolute Maximum Ratings at TA=25°C

Parameter	Blue	Units
Power dissipation Per Segment (DP)	504 (252)	mW
DC Forward Current Per Segment (DP)	30 (30)	mA
Peak Forward Current [1] Per Segment (DP)	160 (160)	mA
Reverse Voltage Per Segment (DP)	20(10)	V
Operating/Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 5 Seconds	

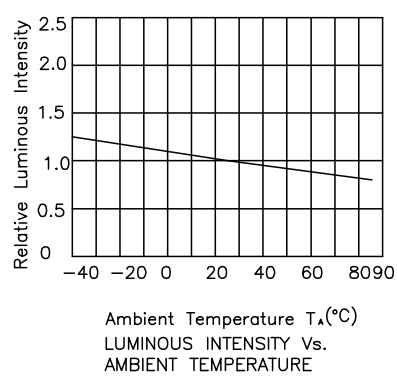
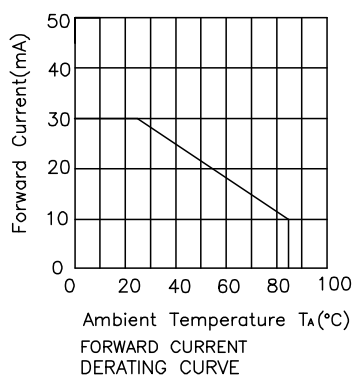
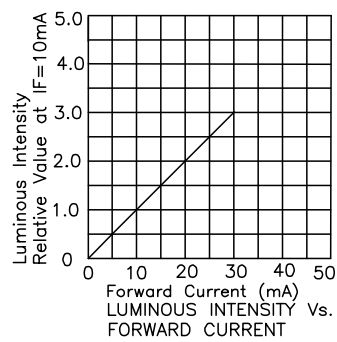
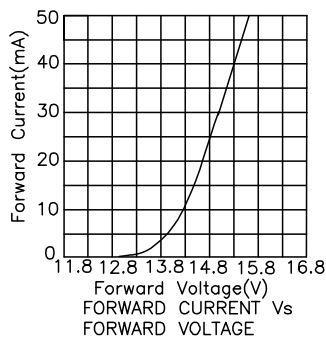
Notes:

- 1/10 Duty Cycle, 0.1ms Pulse Width.
- 2mm below package base.



Blue

SA23-11PBWA



Remarks:

If special sorting is required (e.g. binning based on forward voltage, luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

1. Wavelength: $\pm 1\text{nm}$
2. Luminous Intensity: $\pm 15\%$
3. Forward Voltage: $\pm 0.1\text{V}$

Note: Accuracy may depend on the sorting parameters.