



## Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
PSA23-11CGKWA	Green (AlGaInP)	White Diffused	9000	17000	Common Anode, Rt. Hand Decimal.

Note:

1. Luminous intensity/ luminous Flux: +/-15%.

## Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions		
$\lambda$ peak	Peak Wavelength	Green	574		nm	IF=20mA		
$\lambda$ D[1]	Dominant Wavelength	Green	570		nm	IF=20mA		
$\Delta\lambda$ 1/2	Spectral Line Half-width	Green	20		nm	IF=20mA		
C	Capacitance	Green	15		pF	VF=0V;f=1MHz		
VF[2]	Forward Voltage	A1,A2,D1,D2,P,K	Green	4.2	5.0	V	IF=20mA	
		B,C,E,F,G,H,J,L,M,N						
		DP						2.1
IR	Reverse Current	A1,A2,D1,D2,P,K	Green		10	uA	VR = 10V VR = 10V VR = 5V	
		B,C,E,F,G,H,J,L,M,N						20
		DP						10

Notes:

1. Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

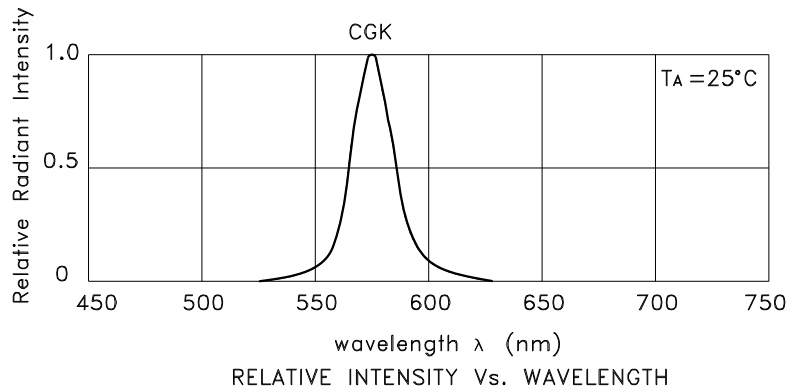
## Absolute Maximum Ratings at TA=25°C

Parameter	Green	Units
Power dissipation	A1,A2,D1,D2,P,K	150
	B,C,E,F,G,H,J,L,M,N	300
	DP	75
DC Forward Current	A1,A2,D1,D2,P,K	30
	B,C,E,F,G,H,J,L,M,N	60
	DP	30
Peak Forward Current [1]	A1,A2,D1,D2,P,K	150
	B,C,E,F,G,H,J,L,M,N	300
	DP	150
Reverse Voltage	A1,A2,D1,D2,P,K	10
	B,C,E,F,G,H,J,L,M,N	10
	DP	5
Operating / Storage Temperature	-40°C To +85°C	
Lead Solder Temperature [2]	260°C For 3-5 Seconds	

Notes:

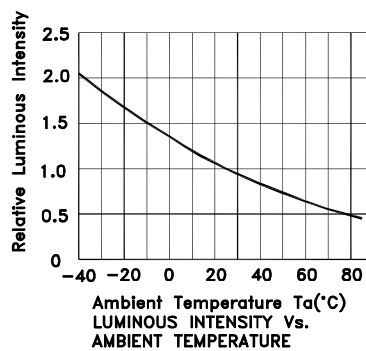
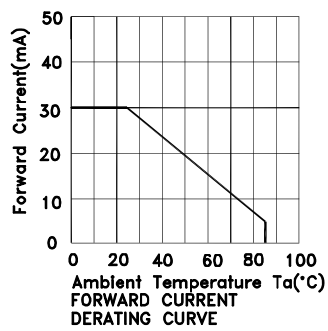
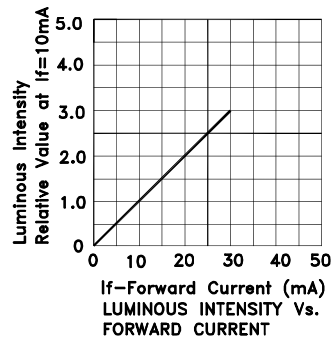
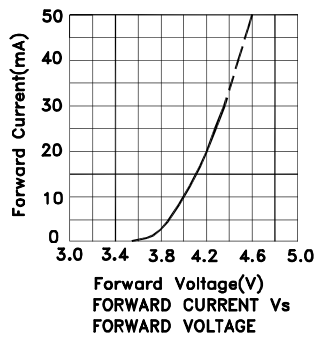
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.



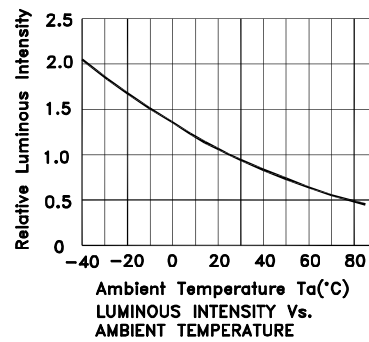
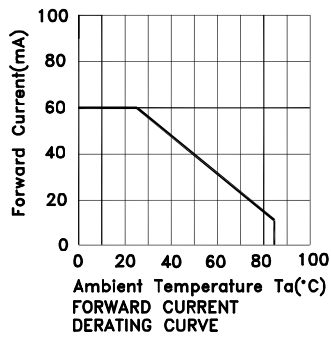
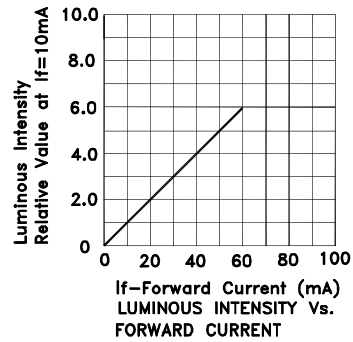
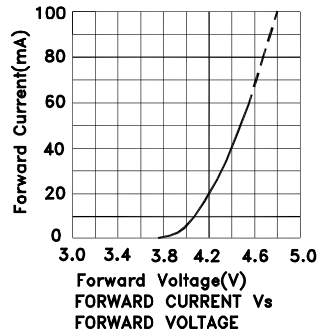
## Green

### PSA23-11CGKWA



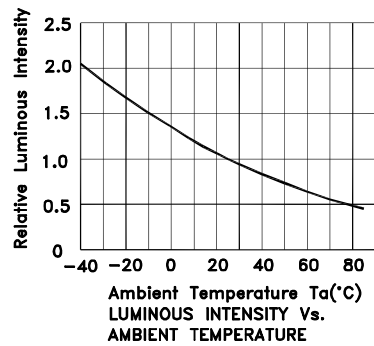
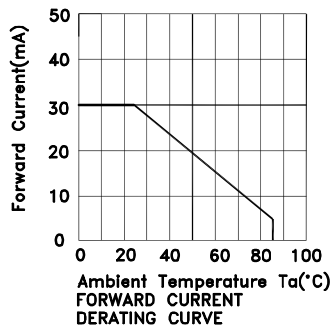
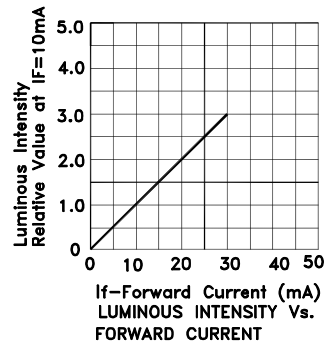
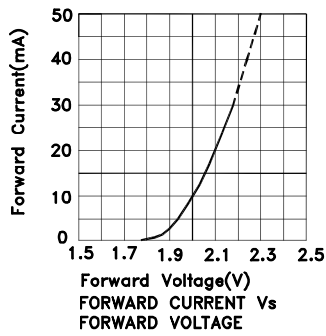
Note: the curves are on the segment a1,a2,d1,d2,p,k.

## Green



Note:the curves are on the segment b,c,e,f,g,h,j,l,m,n.

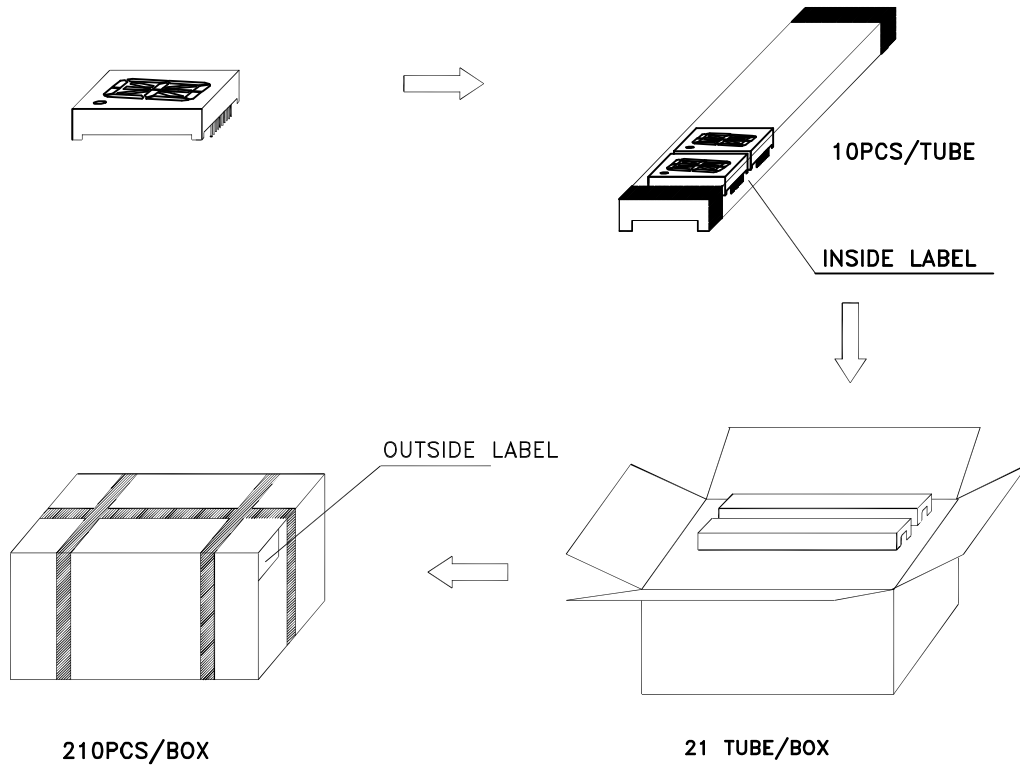
## Green



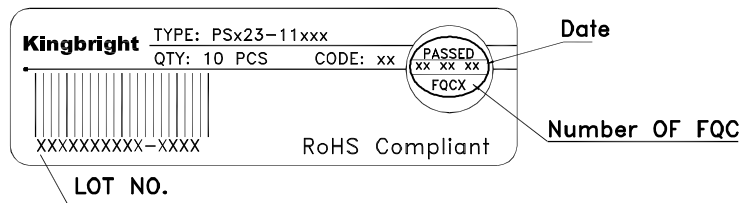
Note:the curves are on the DP.

**PACKING & LABEL SPECIFICATIONS**

**PSA23-11CGKWA**



**Inside Label On IC-tube**



**Outside Label On Box**

