

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
PSA23-11GWA	GREEN (GaP)	WHITE DIFFUSED	1900	10500	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
λ_{peak}	Peak Wavelength		Green	565		nm	IF=20mA
$\lambda_D[1]$	Dominant Wavelength		Green	568		nm	IF=20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width		Green	30		nm	IF=20mA
C	Capacitance		Green	15		pF	VF=0V;f=1MHz
VF[2]	Forward Voltage	A1,A2,D1,D2,P,K	Green	4.4	5.0	V	IF=20mA
		B,C,E,F,G,H,J,L,M,N					
		DP		2.2	2.5		
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.

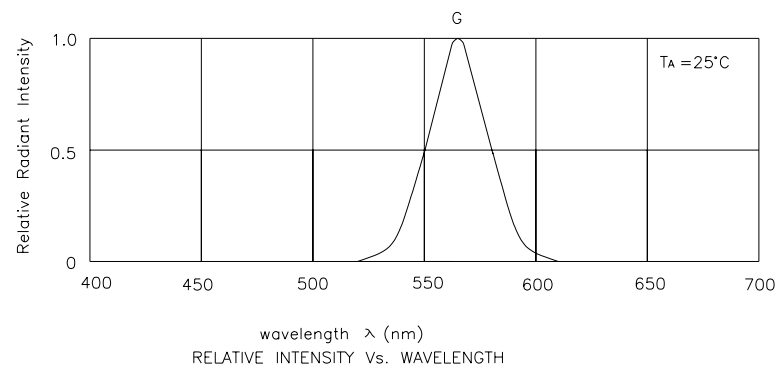
Absolute Maximum Ratings at TA=25°C

Parameter		Green	Units
Power dissipation	A1,A2,D1,D2,P,K	125 250 62.5	mW
	B,C,E,F,G,H,J,L,M,N		
	DP		
DC Forward Current	A1,A2,D1,D2,P,K	25 50 25	mA
	B,C,E,F,G,H,J,L,M,N		
	DP		
Peak Forward Current [1]	A1,A2,D1,D2,P,K	140 280 140	mA
	B,C,E,F,G,H,J,L,M,N		
	DP		
Reverse Voltage	A1,A2,D1,D2,P,K	10 10 5	V
	B,C,E,F,G,H,J,L,M,N		
	DP		
Operating / Storage Temperature		-40°C To +85°C	
Lead Solder Temperature [2]		260°C For 3-5 Seconds	

Notes:

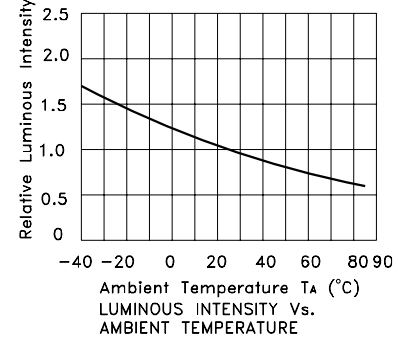
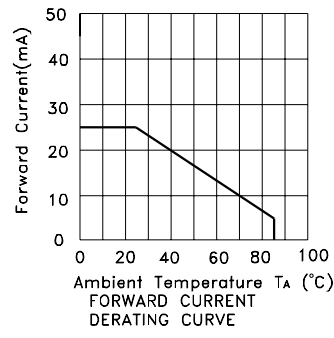
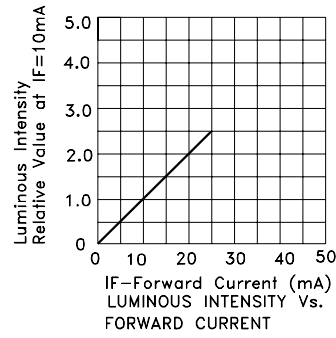
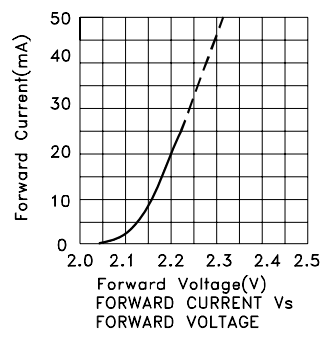
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.

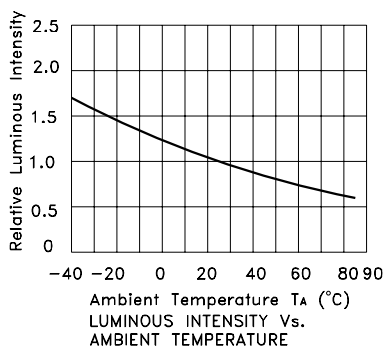
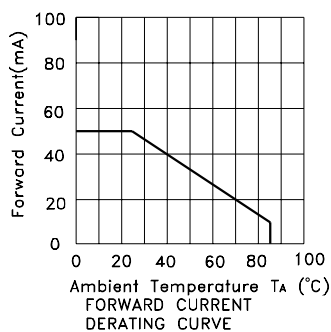
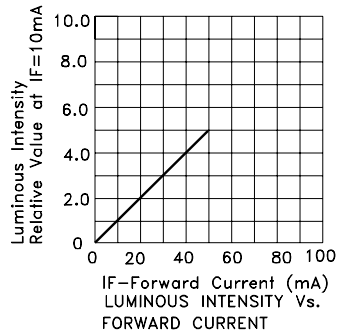
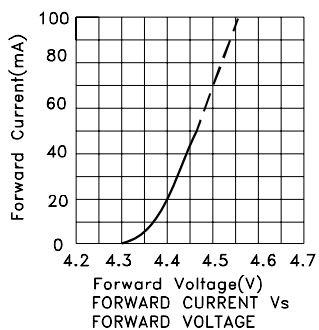


Green

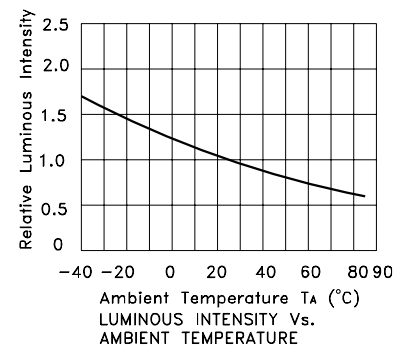
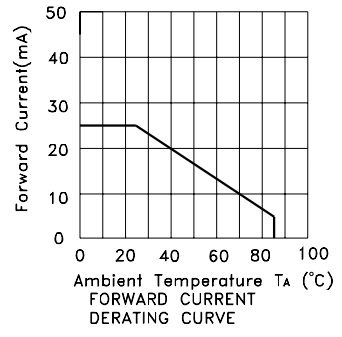
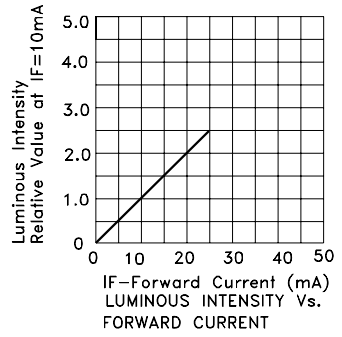
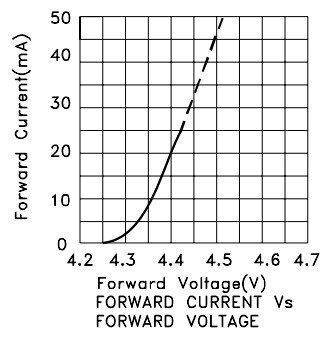
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Note:the curves are on the DP.



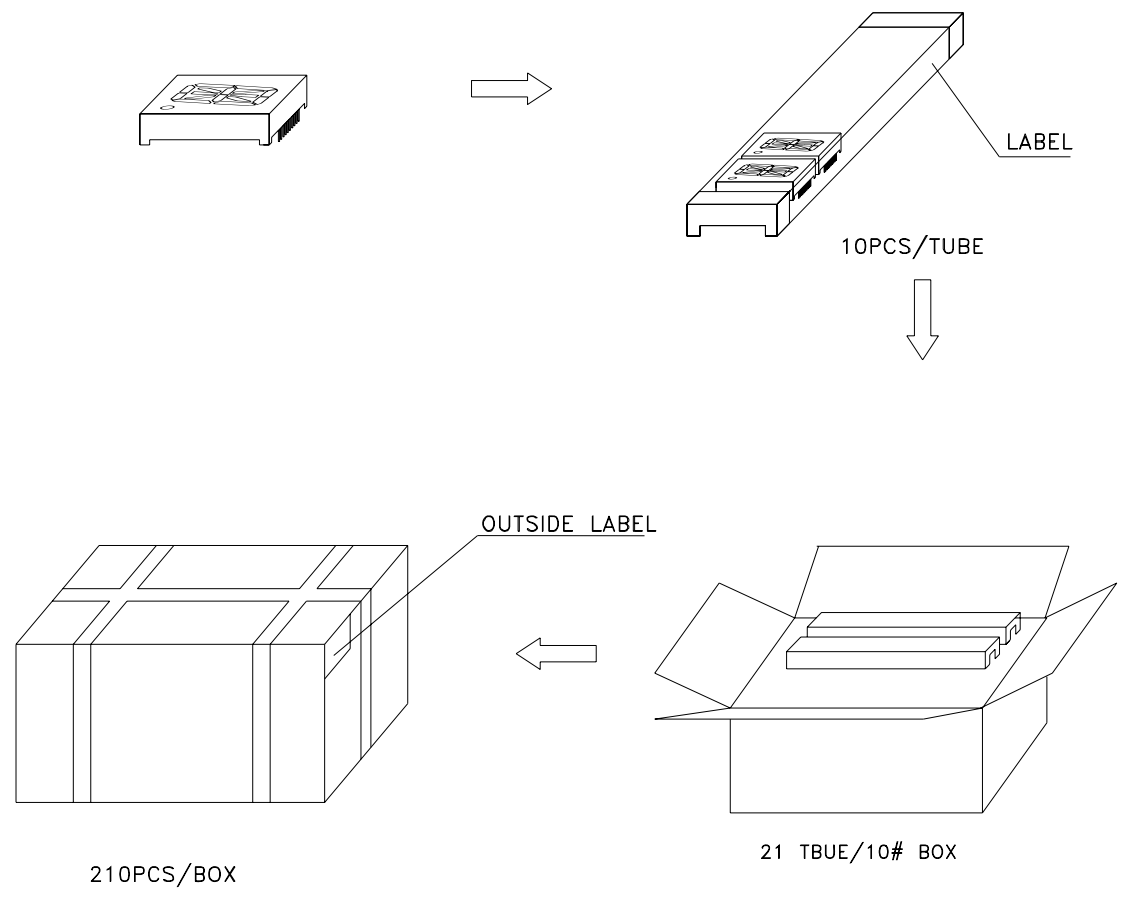
Note:the curves are on the segment b,c,e,f,g,h,j,l,m,n.



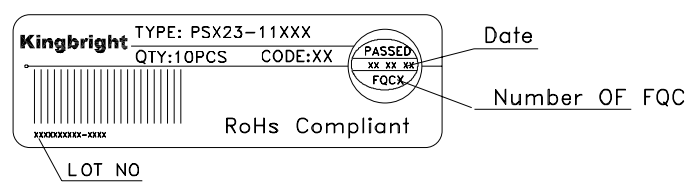
Note:the curves are on the segment a1,a2,d1,d2,p,k.

PACKING & LABEL SPECIFICATIONS

PSA23-11GWA



Inside LABEL Paste On The IC-tube



Outside LABEL Paste On The Box

