

Part Number: PSC23-11SEKWA

Super Bright Orange

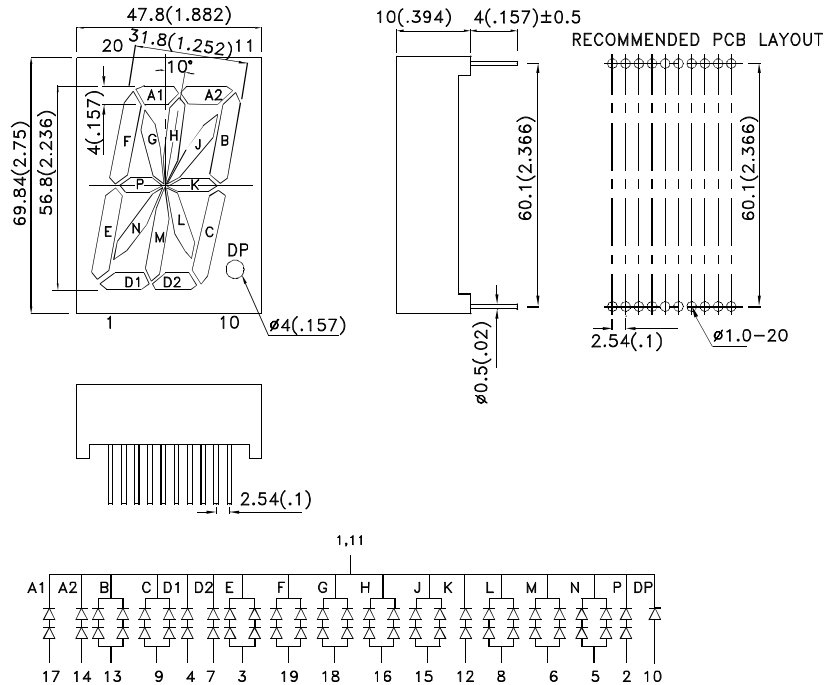
Features

- 2.3 inch character height.
- Low current operation.
- High contrast and light output.
- Easy mounting on P.C. boards or sockets.
- Mechanically rugged.
- Standard : gray face, white segment.
- RoHS compliant.

Description

The Super Bright Orange device is made with AlGaInP (on GaAs substrate) light emitting diode chip.

Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25(0.01)$ unless otherwise noted.
2. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.



Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
PSC23-11SEKWA	Super Bright Orange (AlGaInP)	White Diffused	88000	240000	Common Cathode, 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		Super Bright Orange	610		nm	IF=20mA	
λ D[1]	Dominant Wavelength		Super Bright Orange	601		nm	IF=20mA	
$\Delta\lambda$ 1/2	Spectral Line Half-width		Super Bright Orange	29		nm	IF=20mA	
C	Capacitance		Super Bright Orange	15		pF	VF=0V;f=1MHz	
VF[2]	Forward Voltage	A1,A2,D1,D2,P,K	Super Bright Orange	4.2	5.0	V	IF=20mA	
		B,C,E,F,G,H,J,L,M,N						
		DP		2.1	2.5			
IR	Reverse Current	A1,A2,D1,D2,P,K	Super Bright Orange		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	Super Bright Orange	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	195
	B,C,E,F,G,H,J,L,M,N	390
	DP	195
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	

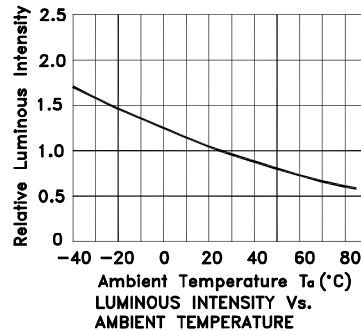
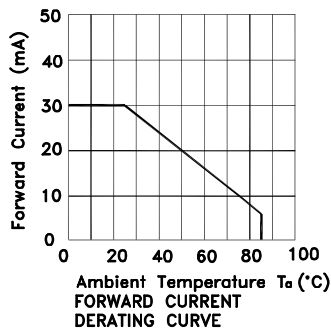
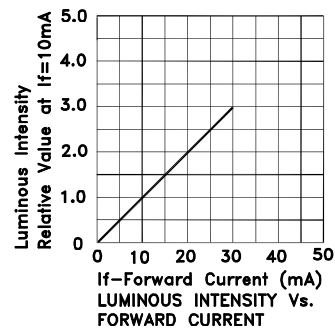
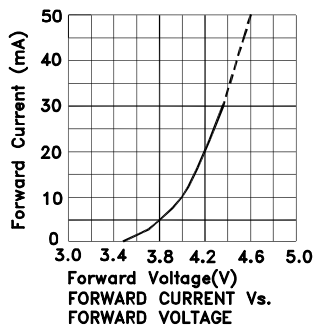
Notes:

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

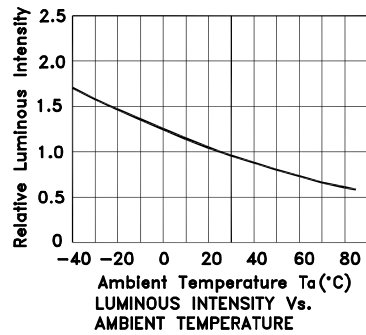
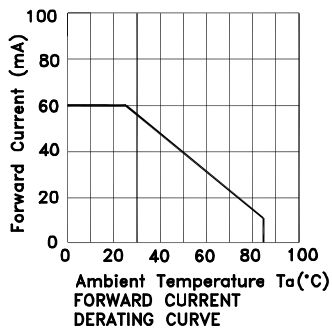
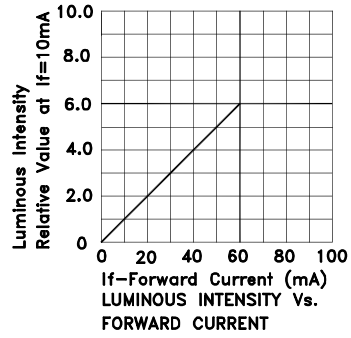
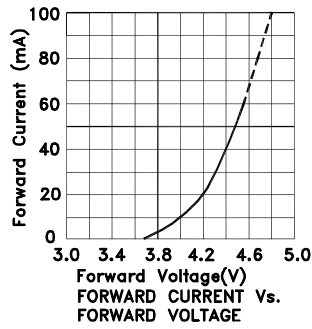
2. 2mm below package base.



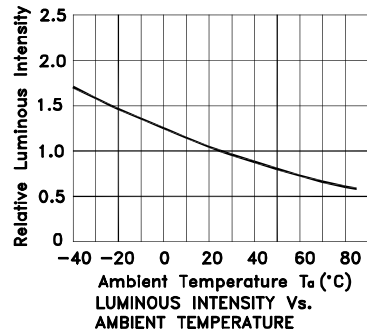
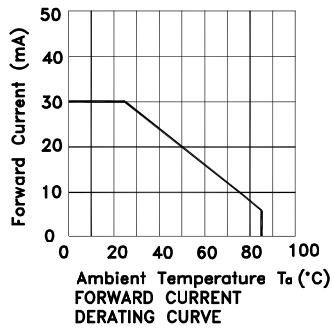
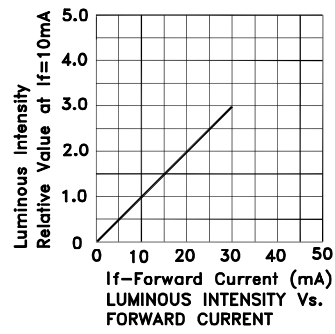
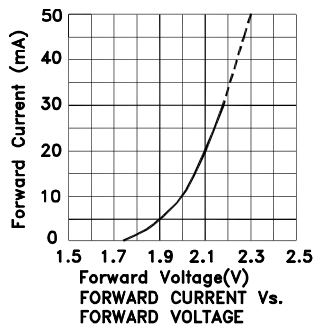
Super Bright Orange PSA23-11SEKWA



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



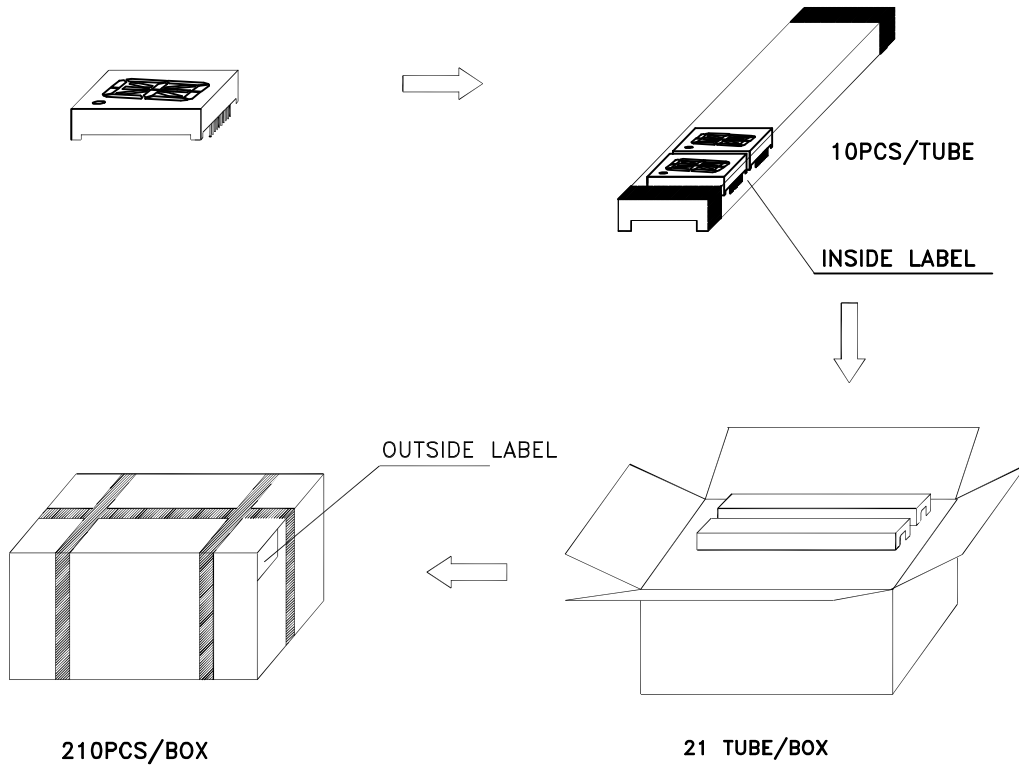
Note:the curves are on the segment b,c,e,f,g,h,j,l,m,n.



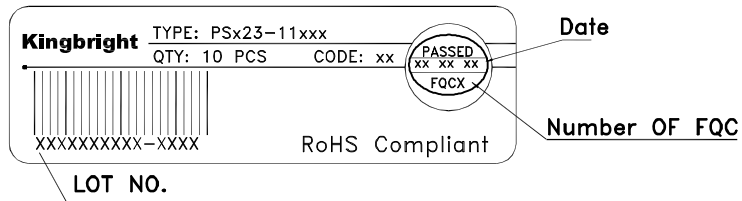
Note:the curves are on the DP.

PACKING & LABEL SPECIFICATIONS

PSC23-11SEKWA



Inside Label On IC-tube



Outside Label On Box

