

Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
CC25-12SYKWA	Super Bright Yellow (AlGaInP)	WHITE DIFFUSED	52000	110000	Common Cathode

Note:

- 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 Yellow	590		nm	IF=20mA
λ D [1]	Dominant Wavelength		Super Bright Yellow	590		nm	IF=20mA
$\Delta\lambda$ 1/2	Spectral Line Half-width		Super Bright Yellow	20		nm	IF=20mA
C	Capacitance		Super Bright Yellow	20		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D2,D3D4,D5,D6,D8	Super Bright Yellow	2.0	2.5	V	IF=20mA
		D7,L					
IR	Reverse Current	Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D2,D3D4,D5,D6,D8	Super Bright Yellow		10	uA	VR = 5V
		D7,L			20		

Notes:

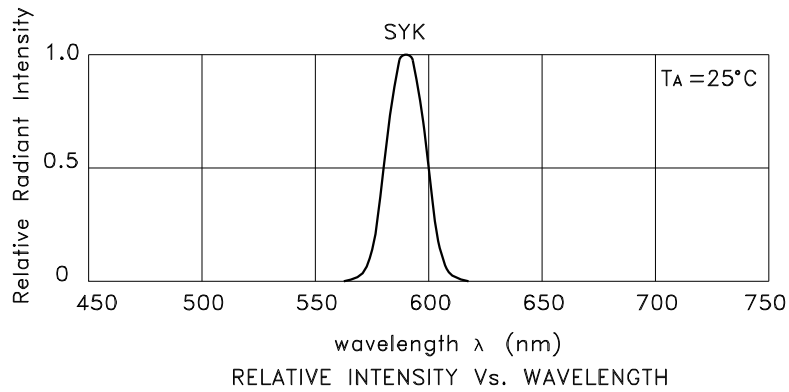
- Wavelength: +/-1nm.
- Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

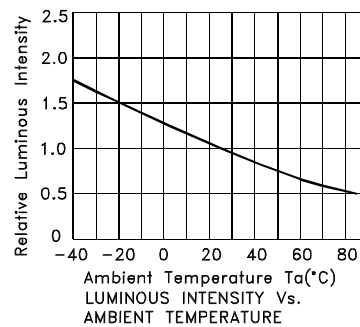
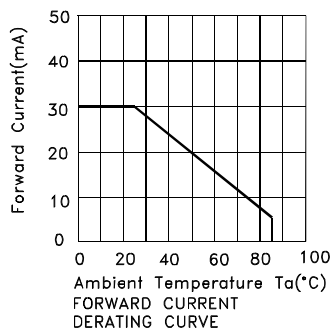
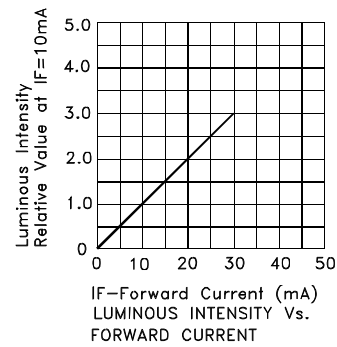
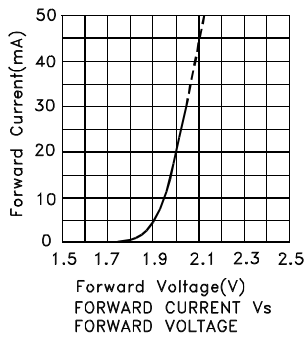
Parameter		Super Bright Yellow	Units
Power dissipation	Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D2,D3D4,D5,D6,D8	75	mW
	D7,L	150	
DC Forward Current	Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D2,D3D4,D5,D6,D8	30	mA
	D7,L	60	
Reverse Voltage	Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D2,D3D4,D5,D6,D8	5	V
	D7,L		
Peak Forward Current [1]	Dig1'8,'Dig2'8',Dig3'8',Dig4'8' D1,D2,D3D4,D5,D6,D8	175	mA
	D7,L	350	
Operating/Storage Temperature		-40°C To +85°C	
Lead Solder Temperature [2]		260°C For 3-5 Seconds	

Notes:

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

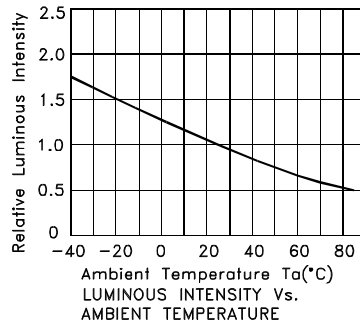
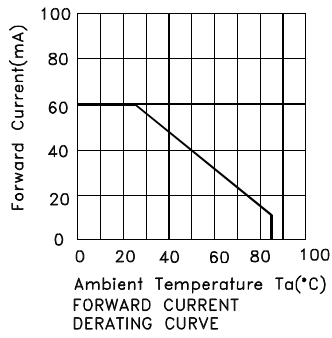
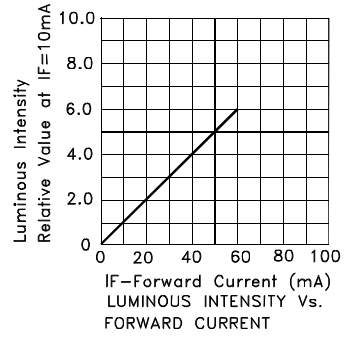
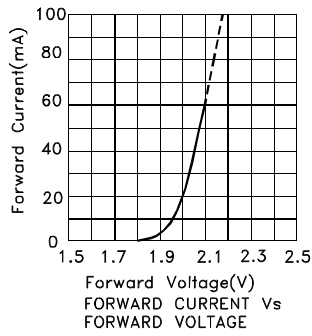


Super Bright Yellow CC25-12SYKWA



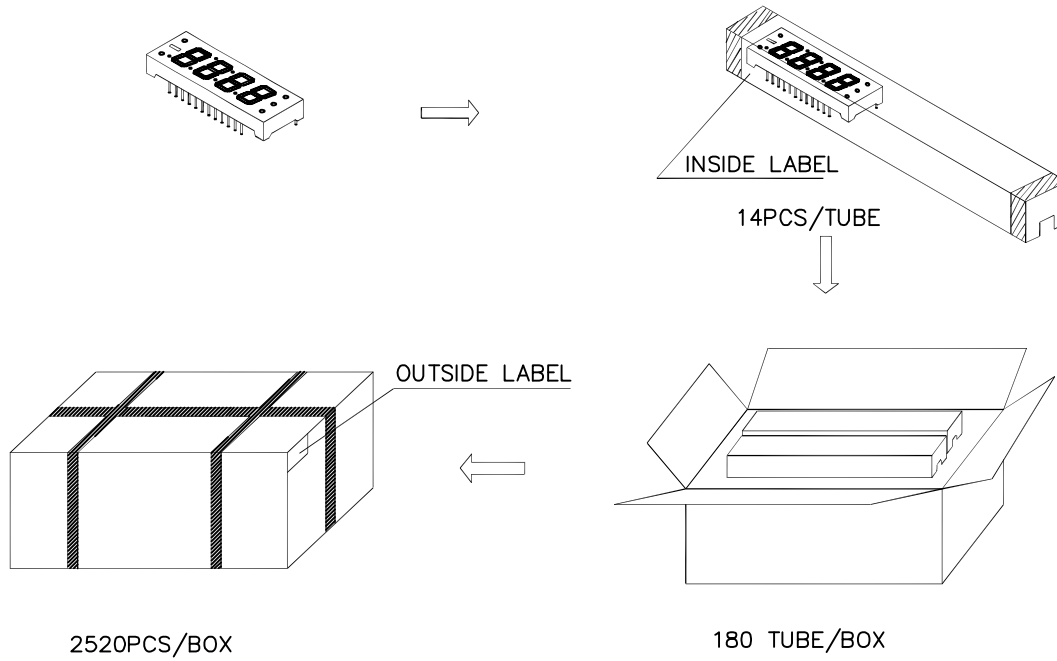
Kingbright

Super Bright Yellow

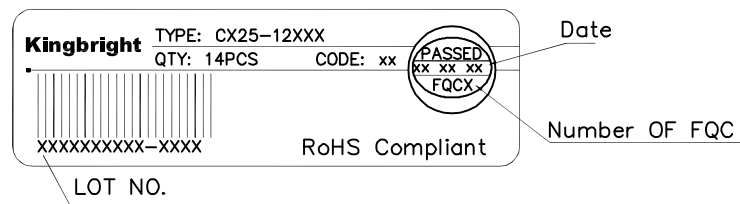


PACKING & LABEL SPECIFICATIONS

CC25-12SYKWA



Inside Label on Ic-Tube



Outside Label on Box

