



## Selection Guide

Part No.	Dice	Lens Type	Iv (ucd) [1] @ 10mA		Description
			Min.	Typ.	
SC56-11QBWA-D	Blue (InGaN)	WHITE DIFFUSED	4700	12367	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
$\lambda_{peak}$	Peak Wavelength	Blue	468		nm	I <sub>F</sub> =20mA
$\lambda_D$ [1]	Dominant Wavelength	Blue	470		nm	I <sub>F</sub> =20mA
$\Delta\lambda_{1/2}$	Spectral Line Half-width	Blue	25		nm	I <sub>F</sub> =20mA
C	Capacitance	Blue	100		pF	V <sub>F</sub> =0V;f=1MHz
V <sub>F</sub> [2]	Forward Voltage	Blue	3.3	4.0	V	I <sub>F</sub> =20mA
I <sub>R</sub>	Reverse Current	Blue		10	uA	V <sub>R</sub> =5V

Notes:

1. Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

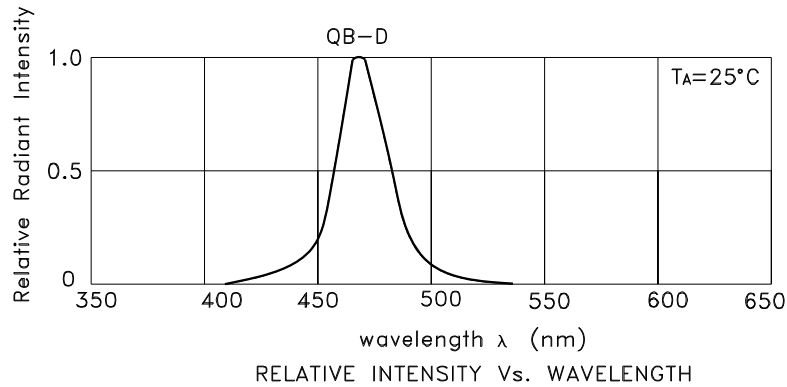
## Absolute Maximum Ratings at TA=25°C

Parameter	Blue	Units
Power dissipation	120	mW
DC Forward Current	30	mA
Peak Forward Current [1]	150	mA
Reverse Voltage	5	V
Operating / Storage Temperature	-40°C To +85°C	
Lead Solder Temperature[2]	260°C For 3-5 Seconds	

Notes:

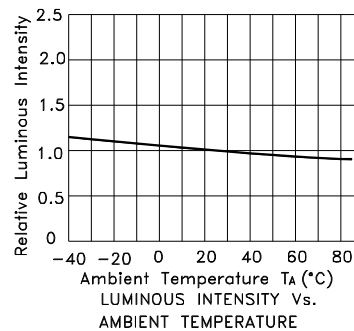
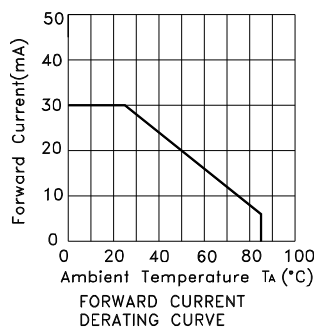
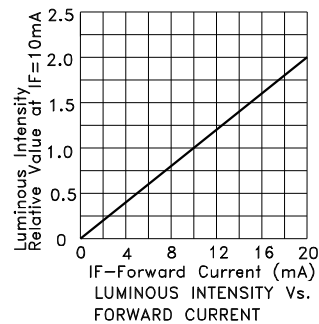
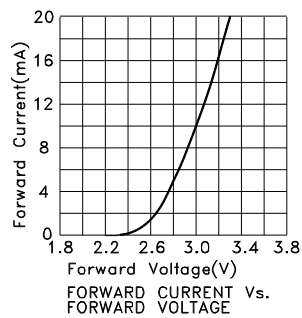
1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.



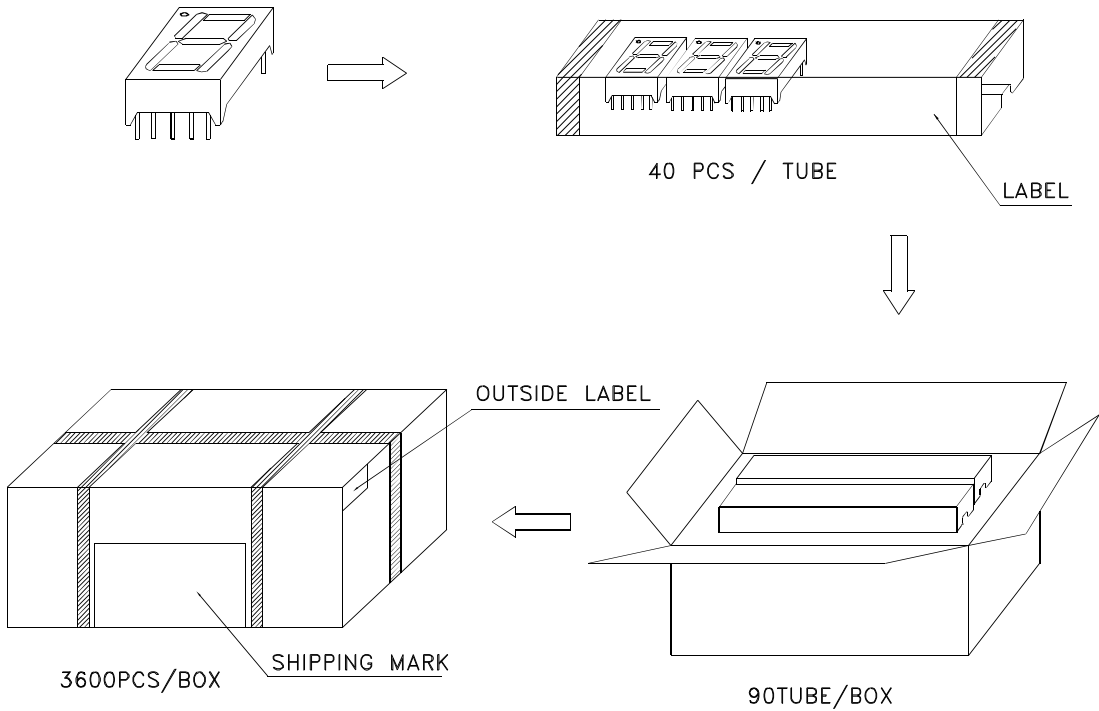
Blue

SC56-11QBWA-D



## PACKING & LABEL SPECIFICATIONS

SC56-11QBWA-D



Inside LABEL Paste On The IC-TUBE

<b>Kingbright</b>	TYPE: SX56-11XX	<div>PASSED xx xx xx FQCX</div>
QTY: 40 PCS	CODE: xx	
<div>xxxxxxxxxx-xxxx</div>		Date
RoHS Compliant		Number OF FQC
LOT NO.		

Outside LABEL Paste On The Box

XXXXXX	<div>Bin Code</div>	Number OF QA
SX56-11XX		
3600	PCS	Date
xx	<div>QAx xx xx xx PASSED</div>	
RoHS Compliant		