

### 14.2mm (0.56INCH) SINGLE DIGIT NUMERIC DISPLAY

PRELIMINARY SPEC



ATTENTION
OBSERVE PRECAUTIONS
FOR HANDLING
ELECTROSTATIC
DISCHARGE
SENSITIVE
DEVICES

Part Number: SC56-11QBWA-D

#### **Features**

- 0.56 inch digit height.
- Low current operation.
- Excellent character appearance.
- Easy mounting on P.C. boards or sockets.
- Mechanically rugged.
- Standard : gray face, white segment.
- RoHS compliant.

#### **Description**

The Blue source color devices are made with InGaN Light Emitting Diode.

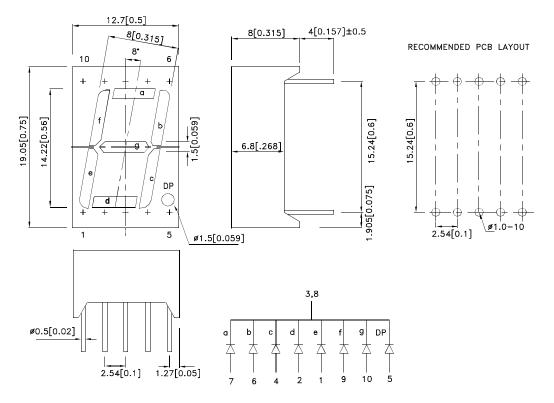
Blue

Static electricity and surge damage the LEDS.

It is recommended to use a wrist band or anti-electrostatic glove when handling the LEDs.

All devices, equipment and machinery must be electrically grounded.

### **Package Dimensions& Internal Circuit Diagram**



Notes

1. All dimensions are in millimeters (inches), Tolerance is ±0.25(0.01")unless otherwise noted.

2. Specifications are subject to change without notice.





SPEC NO: DSAK1137 REV NO: V.1 DATE: NOV/20/2009 PAGE: 1 OF 4

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#### **Selection Guide**

Part No.	Dice	Lens Type	lv (uc @ 10	,	Description
			Min.	Тур.	
SC56-11QBWA-D	Blue (InGaN)	WHITE DIFFUSED	4700	12367	Common Cathode, Rt. Hand Decimal.

#### Note:

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

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	468		nm	IF=20mA
λD [1]	Dominant Wavelength	Blue	470		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Blue	25		nm	IF=20mA
С	Capacitance	Blue	100		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Blue	3.3	4.0	V	IF=20mA
lr	Reverse Current	Blue		10	uA	V <sub>R</sub> =5V

#### 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	ating / Storage Temperature -40°C To +85°C			
Lead Solder Temperature[2]	perature[2] 260°C For 3-5 Seconds			

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

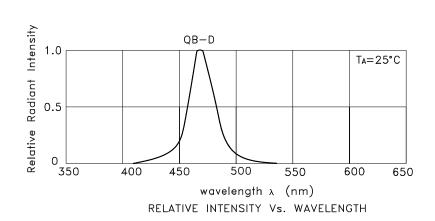
SPEC NO: DSAK1137 REV NO: V.1 DATE: NOV/20/2009 PAGE: 2 OF 4

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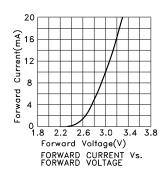
<sup>1.</sup> Luminous intensity/ luminous Flux: +/-15%.

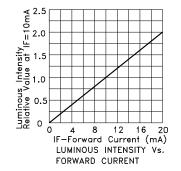
<sup>1.</sup>Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V.

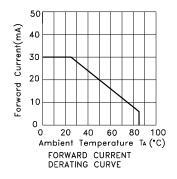
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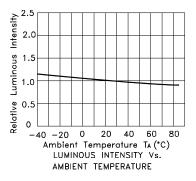


Blue SC56-11QBWA-D





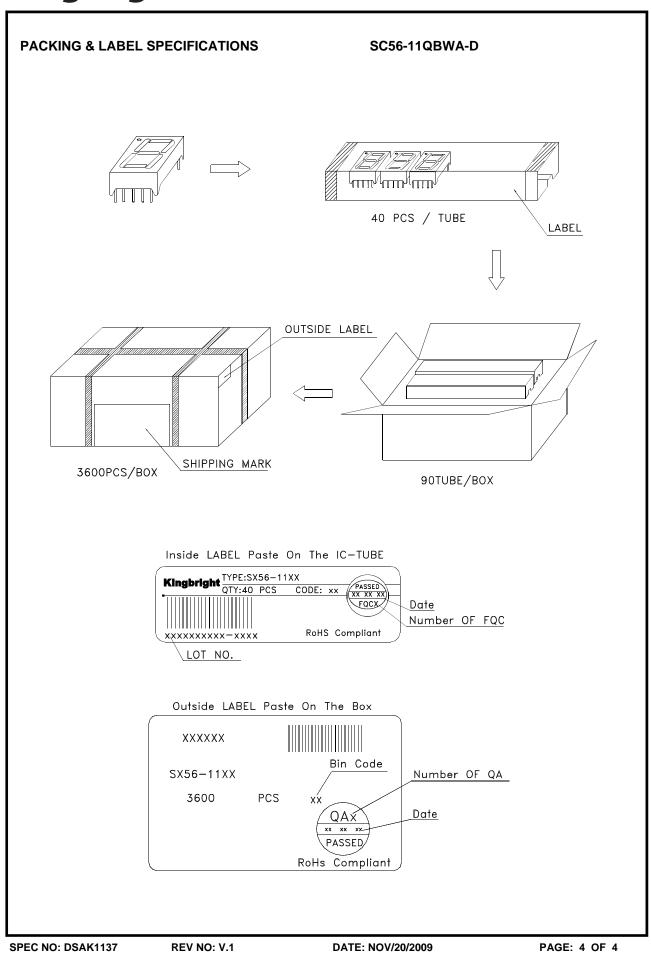




SPEC NO: DSAK1137 REV NO: V.1 DATE: NOV/20/2009 PAGE: 3 OF 4

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PAGE: 4 OF 4