PRELIMINARY SPEC

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

Part Number: SC56-51PBWA/A

Blue



ATTENTION **OBSERVE PRECAUTIONS** FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

## Features

- 0.56 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- STANDARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.

### Description

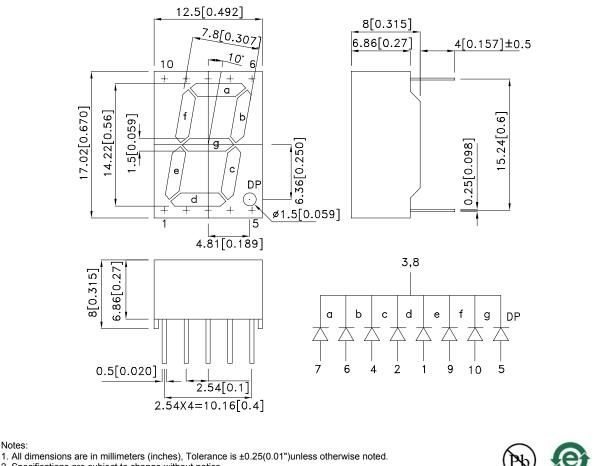
The Blue source color devices are made with InGaN on SiC Light Emitting Diode.

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:

2. Specifications are subject to change without notice.

DATE: MAY/31/2007 DRAWN: Z.Z.YANG

Selection Guide									
Part No.	Dice	Lens Type	lv (ucd) [1] @ mA		Description				
			Min.	Тур.	-				
SC56-51PBWA/A	Blue (InGaN)	WHITE DIFFUSED	3000	16000	Common Cathode, Rt. Hand Decimal.				

Note:

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

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

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	468		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Blue	470		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Blue	21		nm	I⊧=20mA
С	Capacitance	Blue	100		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Blue	3.2	4.0	V	I⊧=20mA
IR	Reverse Current	Blue		10	uA	VR=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]	100	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.

