

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

#### Features

- 0.2inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Gray face, white segment.
- Package : 650pcs / reel.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

### SURFACE MOUNT DISPLAY

Part Number: KCSC02-136

Blue

#### Description

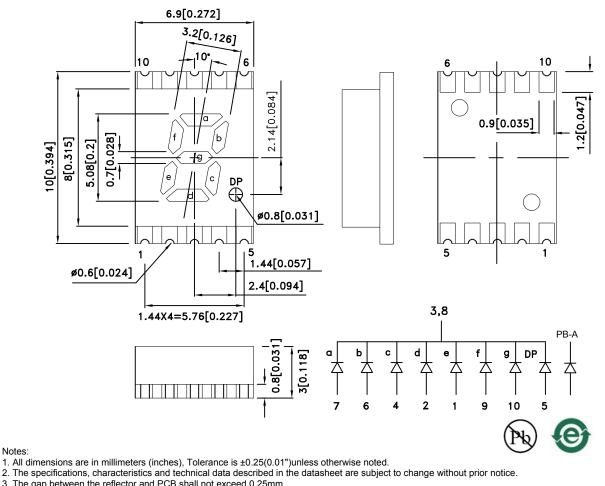
The Blue source color devices are made with InGaN on SiC Light Emitting Diode.

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:

3. The gap between the reflector and PCB shall not exceed 0.25mm.

DATE: MAY/30/2013 DRAWN: Y.Liu

	Selection Guide					
	Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description
				Min.	Тур.	
	KCSC02-136	Blue (InGaN)	White Diffused	2200	4300	Common Cathode, Rt. Hand Decimal.

Note:

Luminous intensity/ luminous Flux: +/-15%.
Luminous intensity value is traceable to the CIE127-2007 compliant national standards.

#### 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	465		nm	I⊧=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
lr	Reverse Current	Blue		10	uA	Vr=5V

Notes:

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

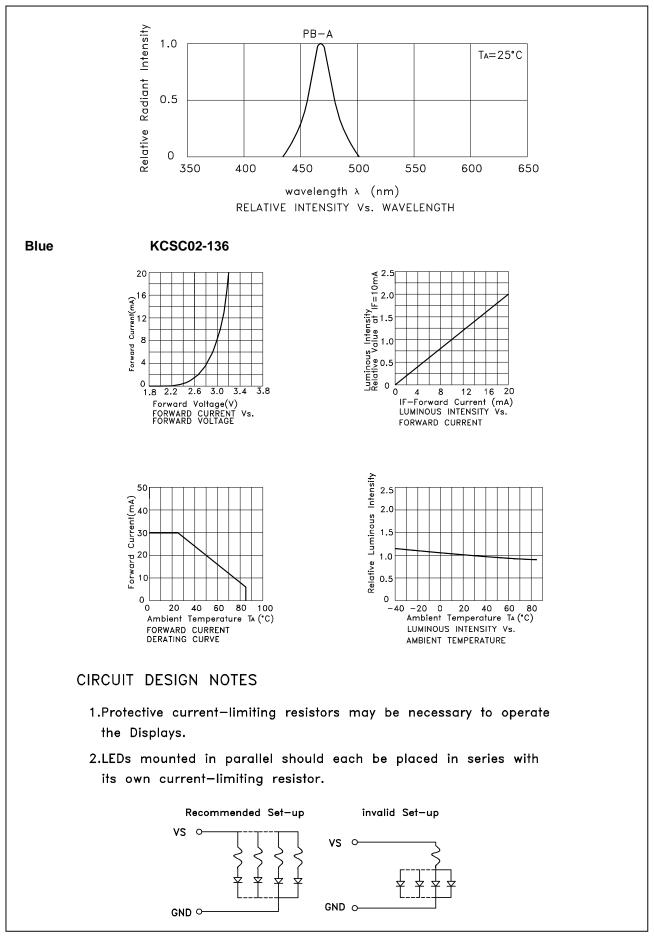
3. Wavelength value is traceable to the CIE127-2007 compliant national standards.

#### Absolute Maximum Ratings at TA=25°C

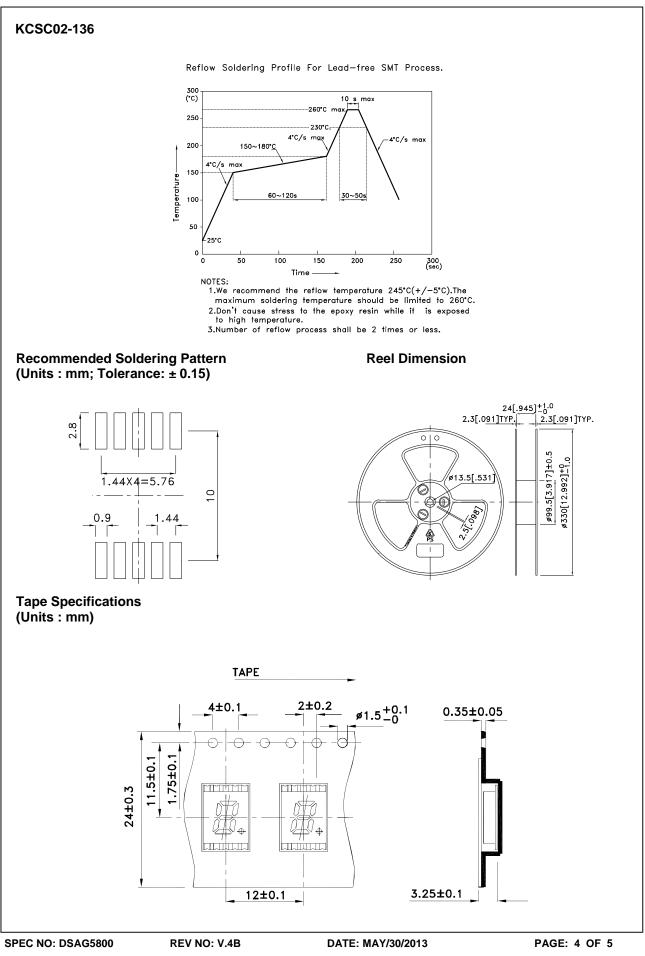
Parameter	Blue	Units	
Power dissipation	120	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	100	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

Note:

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



SPEC NO: DSAG5800 APPROVED: WYNEC REV NO: V.4B CHECKED: Joe Lee DATE: MAY/30/2013 DRAWN: Y.Liu PAGE: 3 OF 5 ERP: 1351000424



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