ATTENTION OBSERVE PRECAUTIONS FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

Features

- 0.56 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Gray face, white segment.
- Package: 400pcs/ reel.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

SURFACE MOUNT DISPLAY

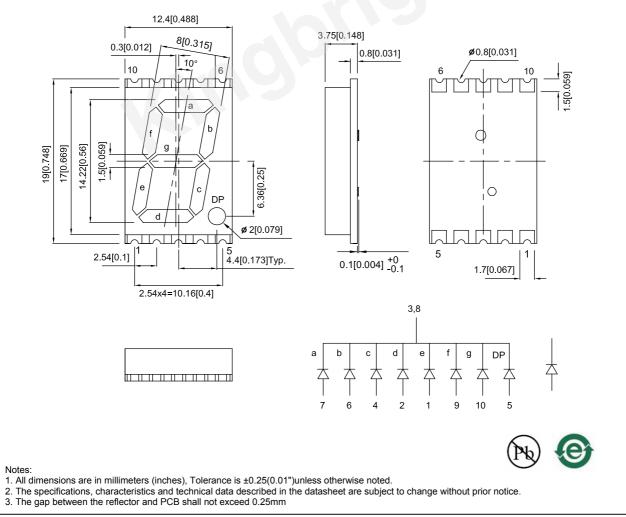
Part Number: KCSC56-136

Blue

Descriptions

- The Blue source color devices are made with InGaN on SiC Light Emitting Diode.
- Electrostatic discharge and power surge could damage the LEDs.
- It is recommended to use a wrist band or antielectrostatic glove when handling the LEDs.
- All devices, equipments and machineries must be electrically grounded.

Package Dimensions& Internal Circuit Diagram



SPEC NO: DSAG4371 APPROVED: Wynec REV NO: V.6B CHECKED: Joe Lee DATE: JUL/04/2016 DRAWN: L.T.Zhang PAGE: 1 OF 5 ERP: 1351000435

Selection Guide										
Part No.	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description					
			Min.	Тур.	-					
KCSC56-136	Blue (InGaN)	White Diffused	2200	6600	Common Cathode, Rt. Hand Decimal.					

Notes:

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

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Emitting Color	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	468		nm	IF=10mA
λD [1]	Dominant Wavelength	Blue	465		nm	IF=10mA
Δλ1/2	Spectral Line Half-width	Blue	21		nm	IF=10mA
С	Capacitance	Blue	100		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Blue	3.05	4.0	V	IF=10mA
lr	Reverse Current	Blue		10	uA	

Notes:

1.Wavelength: +/-1nm.

2.Forward Voltage: +/-0.1V.

3.Wavelength value is traceable to CIE127-2007 standards. 4.Excess driving current and/or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

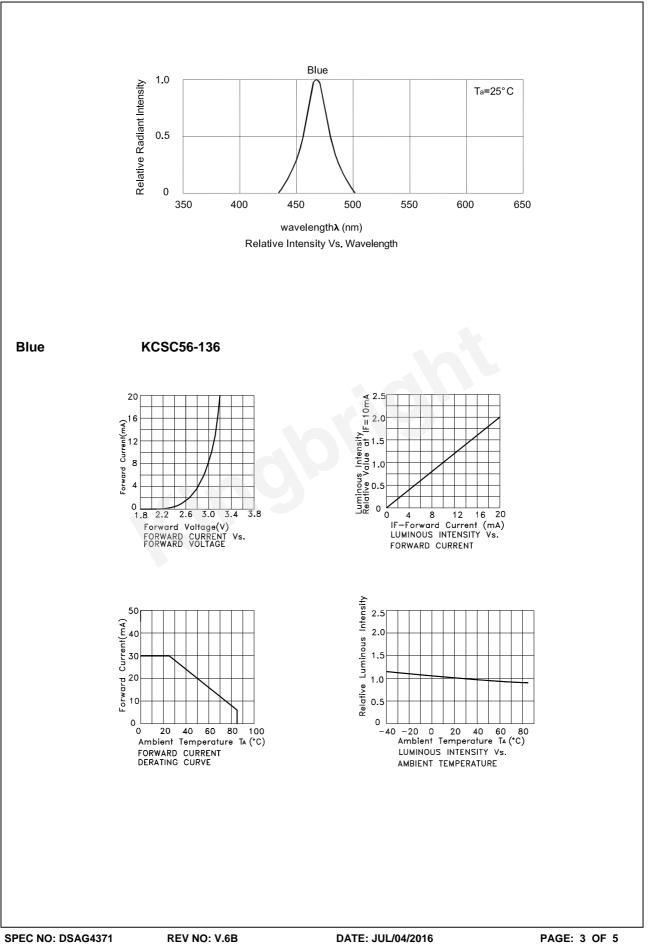
Absolute Maximum Ratings at TA=25°C

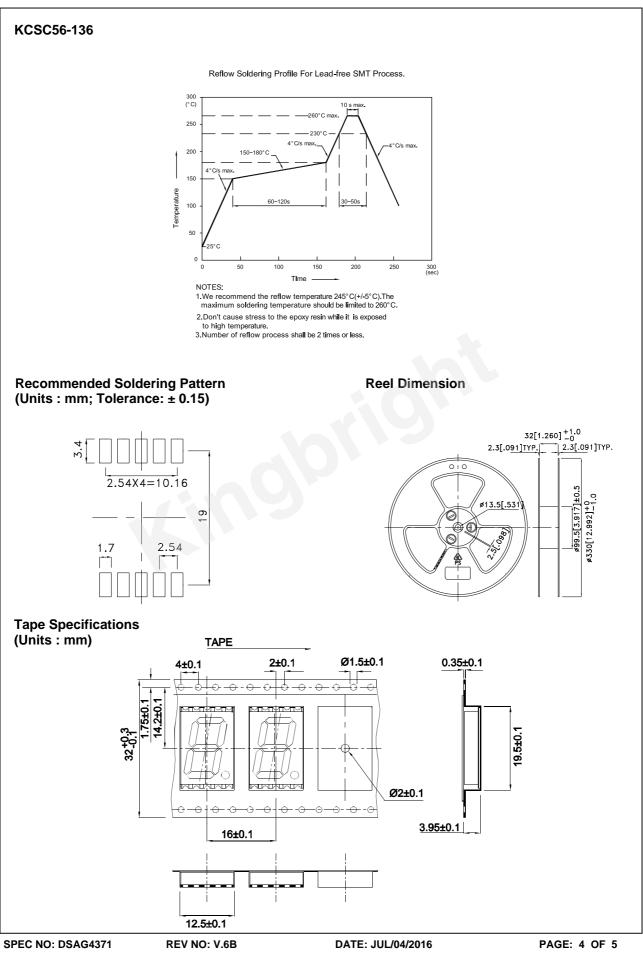
Parameter	Values	Units	
Power dissipation	120	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	100	mA	
Electrostatic Discharge Threshold (HBM)	1000	V	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

Notes:

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

Relative humidity levels maintained between 40% and 60% in production area are recommended to avoid the build-up of static electricity – Ref JEDEC/JESD625-A and JEDEC/J-STD-033.



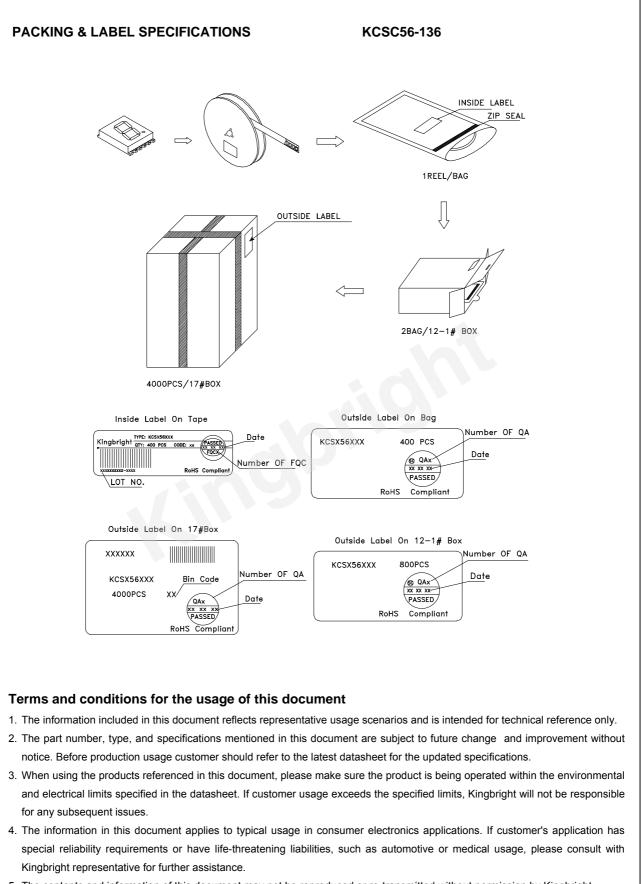


APPROVED: Wynec

CHECKED: Joe Lee

DRAWN: L.T.Zhang

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