SURFACE MOUNT DISPLAY

Part Number: ACSC03-41SRWA-F01 Super Bright Red

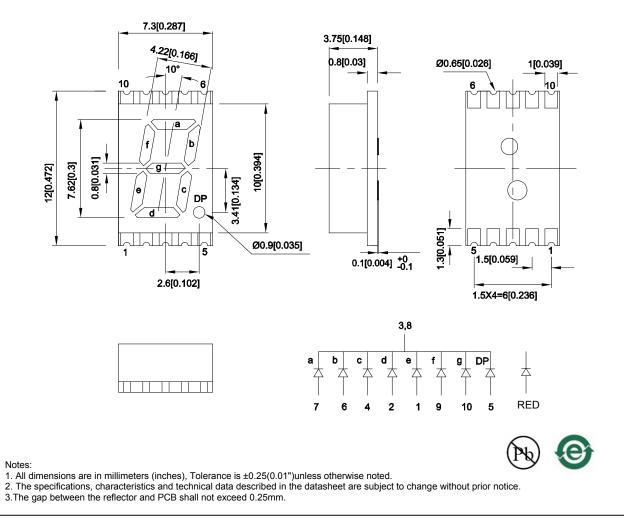
Features

- 0.3 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Gray face, white segment.
- Package : 550pcs / reel.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

Package Dimensions& Internal Circuit Diagram



SPEC NO: DSAG0280 APPROVED: Wynec REV NO: V.8A CHECKED: Joe Lee DATE: JAN/07/2016 DRAWN: F.T.Liu PAGE: 1 OF 5 ERP: 1351000443

Selection Guide									
Part No.	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description				
			Min.	Тур.					
ACSC03-41SRWA-F01	Super Bright Red (GaAlAs)	White Diffused	5600	9800	Common Cathode, Rt. Hand Decimal.				
			*1400	*2600					

Note:

1. 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	Super Bright Red	655		nm	I⊧=10mA
λD [1]	Dominant Wavelength	Super Bright Red	640		nm	I⊧=10mA
Δλ1/2	Spectral Line Half-width	Super Bright Red	20		nm	I⊧=10mA
С	Capacitance	Super Bright Red	45		pF	VF=0V;f=1MHz
VF [2]	Forward Voltage	Super Bright Red	1.8	2.5	V	I⊧=10mA
IR	Reverse Current	Super Bright Red		10	uA	VR=5V

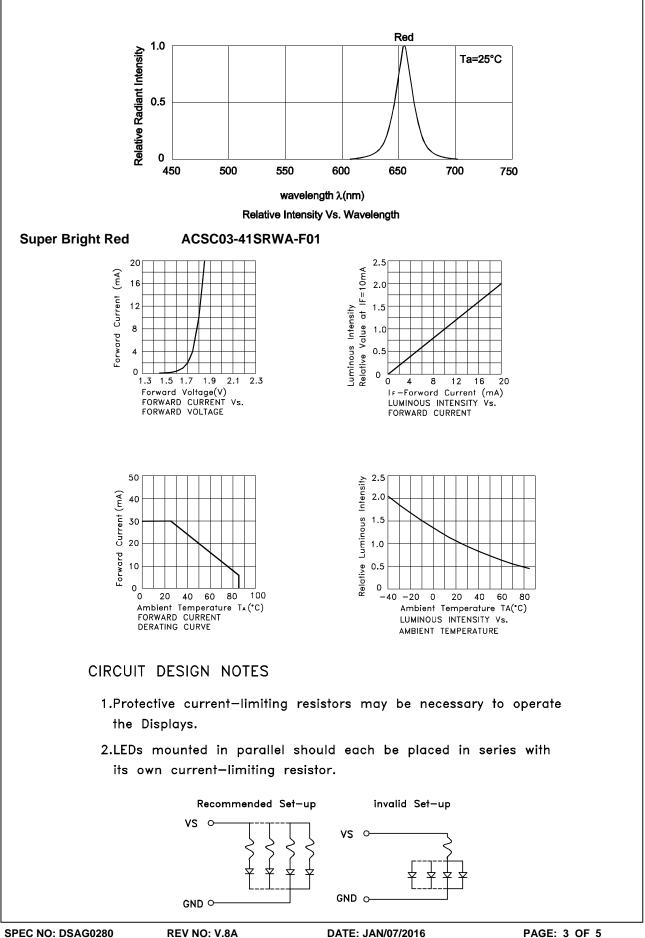
Notes: 1. Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. 3. Wavelength value is traceable to CIE127-2007 standards.

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

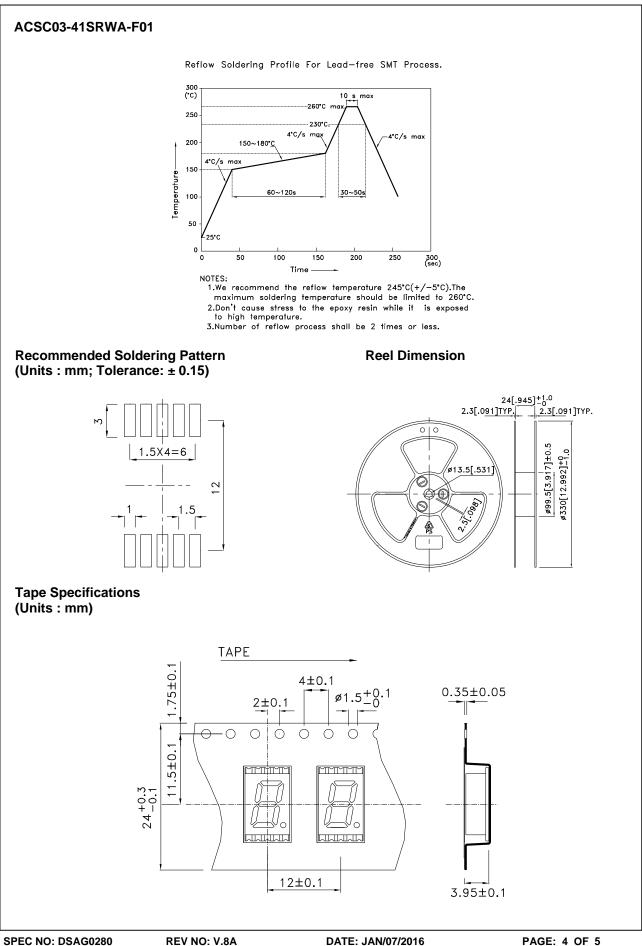
Parameter	Values	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	155	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

Note:
1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 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.

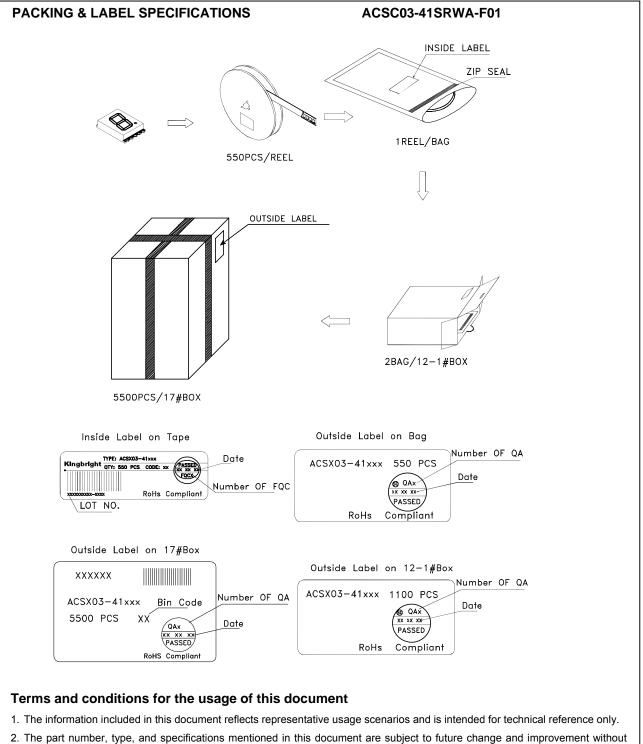


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