

SURFACE MOUNT DISPLAY

Part Number: ACSC56-41SRWA-F01
Super Bright Red

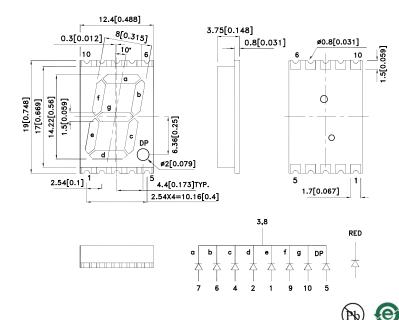
Features

- 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.

Description

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

Package Dimensions& Internal Circuit Diagram







2. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

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

Selection Guide

Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA				Description
			Min.	Тур.			
ACSC56-41SRWA-F01	Super Bright Red (GaAlAs)	White Diffused	9000	26000	Common Cathode, Rt. Hand Decimal.		
			*3600	*7200			

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

Electrical / Optical Characteristics at TA=25°C

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Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions				
λpeak	Peak Wavelength	Super Bright Red	655		nm	IF=20mA				
λD [1]	Dominant Wavelength	Super Bright Red	640		nm	IF=20mA				
Δλ1/2	Spectral Line Half-width	Super Bright Red	20		nm	IF=20mA				
С	Capacitance	Super Bright Red	45		pF	VF=0V;f=1MHz				
VF [2]	Forward Voltage	Super Bright Red	1.85	2.5	V	IF=20mA				
lR	Reverse Current	Super Bright Red		10	uA	V _R =5V				

- Notes:

 1. Wavelength: +/-1nm.

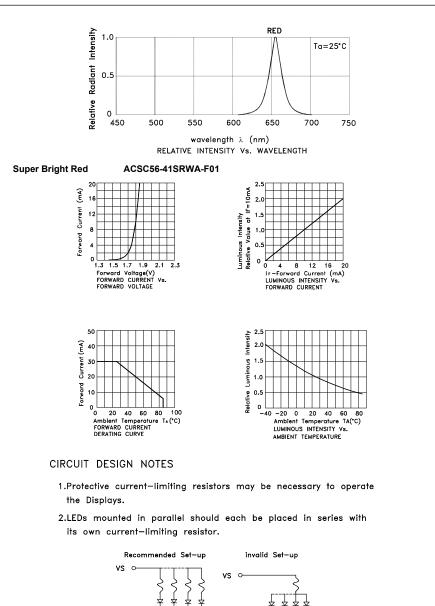
 2. Forward Voltage: +/-0.1V.

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

Absolute Maximum Ratings at TA=25°C

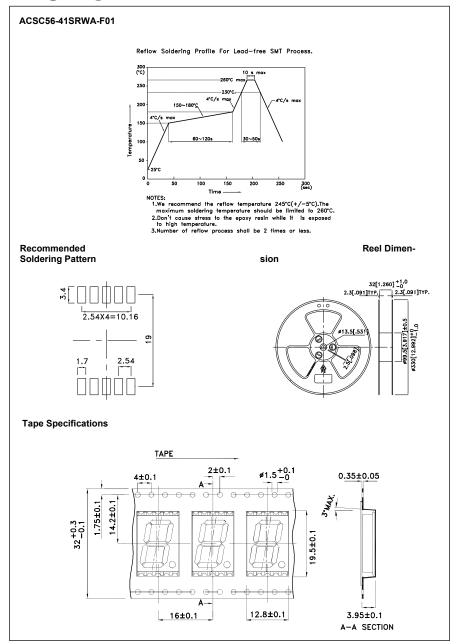
Parameter	Super Bright Red	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	155	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

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



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SPEC NO: DSAG0301 APPROVED: WYNEC REV NO: V.8A CHECKED: Joe Lee DATE: MAR/05/2013 DRAWN: Q.M.Chen PAGE: 4 OF 5 ERP: 1351000388

