

Excellent Integrated System Limited

Stocking Distributor

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Kingbright ACSA56-41SRWA-F01

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>



SURFACE MOUNT DISPLAY

Part Number: ACSA56-41SRWA-F01

Description

Super Bright Red

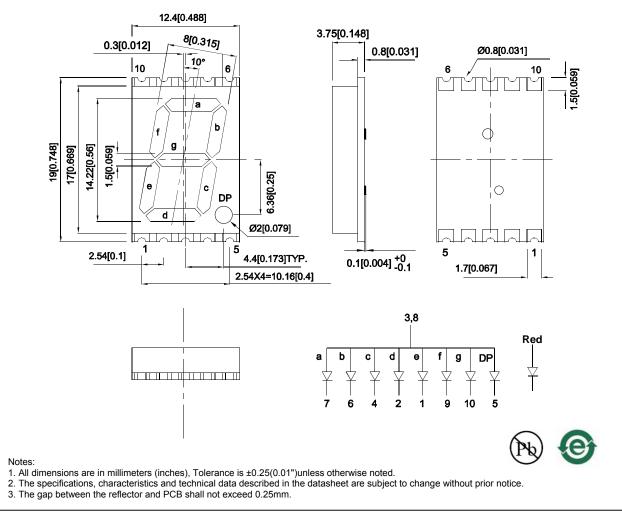
The Super Bright Red source color devices are made with

Gallium Aluminum Arsenide Red Light Emitting Diode.

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.

Package Dimensions& Internal Circuit Diagram





Selection Guide

Part No.	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description
			Min.	Тур.	
ACSA56-41SRWA-F01	Super Bright Red (GaAlAs)	White Diffused	9000	26000	Common Anode,Rt. Hand Decimal.
			*3600	*7200	

Notes:

1. 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	Emitting Color	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Super Bright Red	655		nm	IF=10mA
λD [1]	Dominant Wavelength	Super Bright Red	640		nm	IF=10mA
Δλ1/2	Spectral Line Half-width	Super Bright Red	20		nm	IF=10mA
С	Capacitance	Super Bright Red	45		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Super Bright Red	1.8	2.5	V	IF=10mA
lr	Reverse Current	Super Bright Red		10	uA	Vr=5V

Notes:

1. Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

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

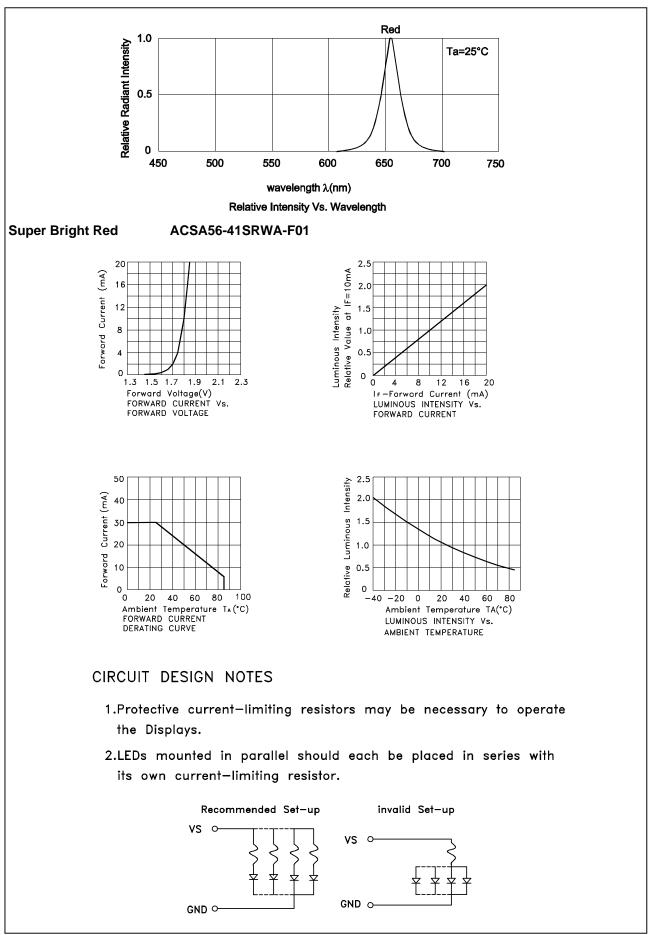
Absolute Maximum Ratings at TA=25°C

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.

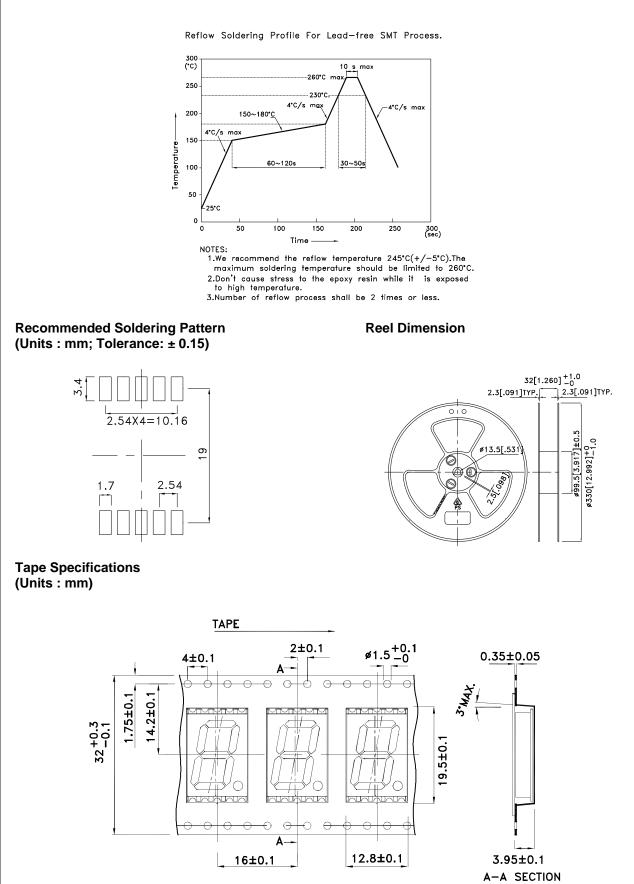




REV NO: V.8A



ACSA56-41SRWA-F01



SPEC NO: DSAG0290

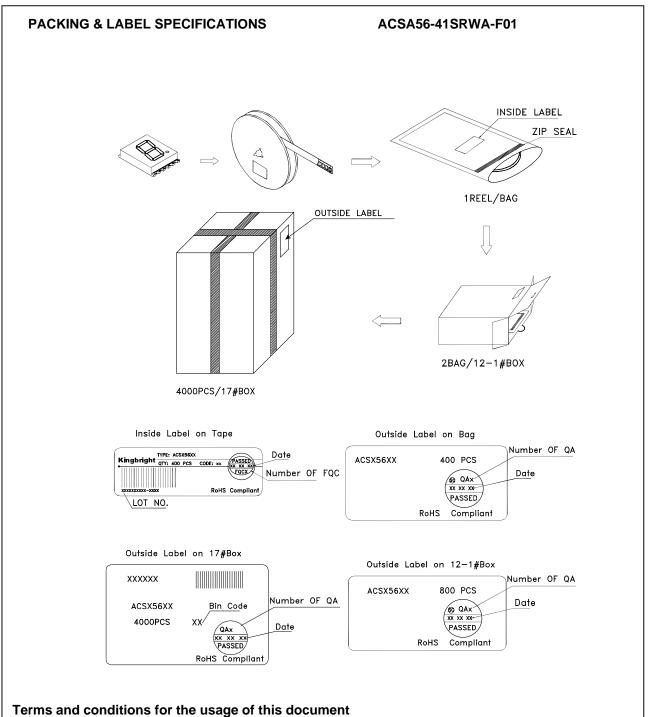
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Distributor of Kingbright: Excellent Integrated System Limited Datasheet of ACSA56-41SRWA-F01 - DISPLAY 0.56" SGL 660NM RED SMD Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

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