

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

Kingbright ACDC56-41SRWA-F01

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



Distributor of Kingbright: Excellent Integrated System Limited Datasheet of ACDC56-41SRWA-F01 - DISPLAY 660NM RED 2DIG 0.56" SMD Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Kingbright

SURFACE MOUNT DISPLAY

Part Number: ACDC56-41SRWA-F01

Description

Super Bright Red

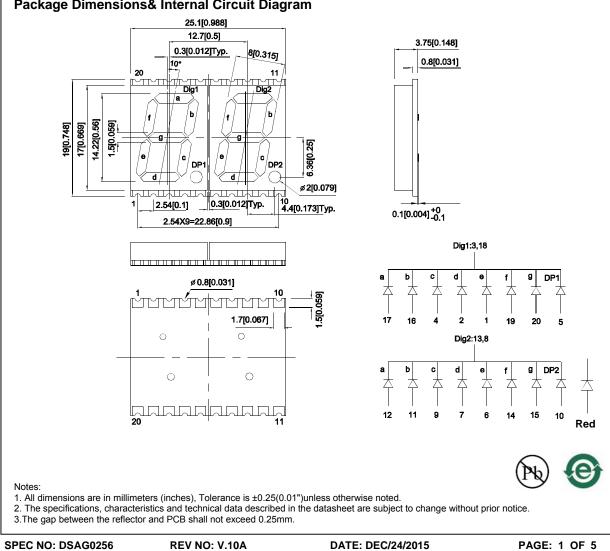
The Super Bright Red source color devices are made with

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: 200pcs/ reel.
- Moisture sensitivity level : level 2a.
- RoHS compliant.





Package Dimensions& Internal Circuit Diagram



Kingbright

Selection Guide

Part No.	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description			
			Min.	Тур.				
ACDC56-41SRWA-F01	Super Dright Ded (CoAlAo)	White Diffused	9000	26000	Common Cathode, Rt. Hand Decimal			
ACDC56-41SRWA-F01	Super Bright Red (GaAlAs)	white Diffused	*3600	*7200				

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	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.

 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

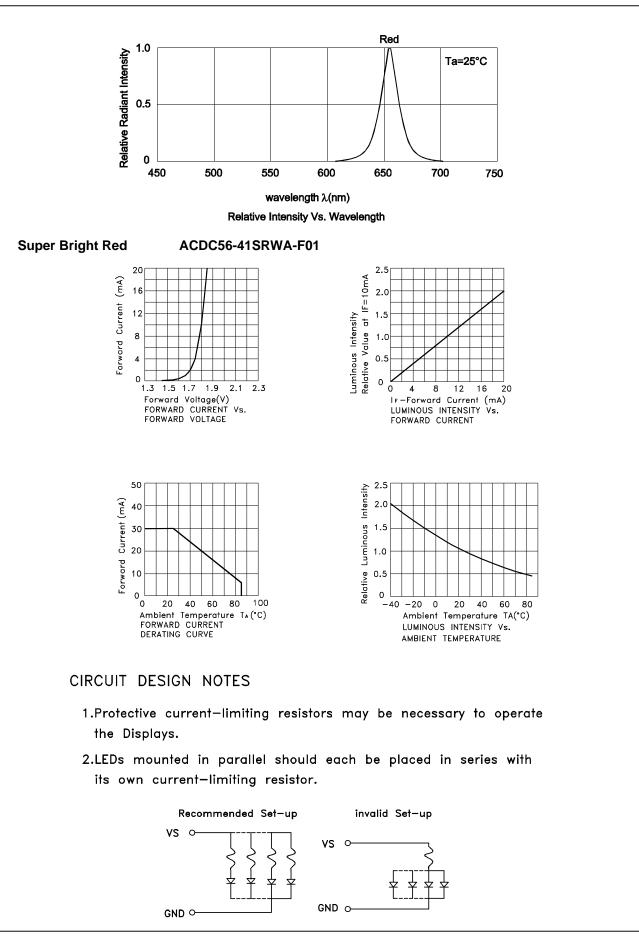
Parameter	Values	Units	
Power dissipation	75	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	155	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	-40°C To +85°C		

Note:

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



Kingbright



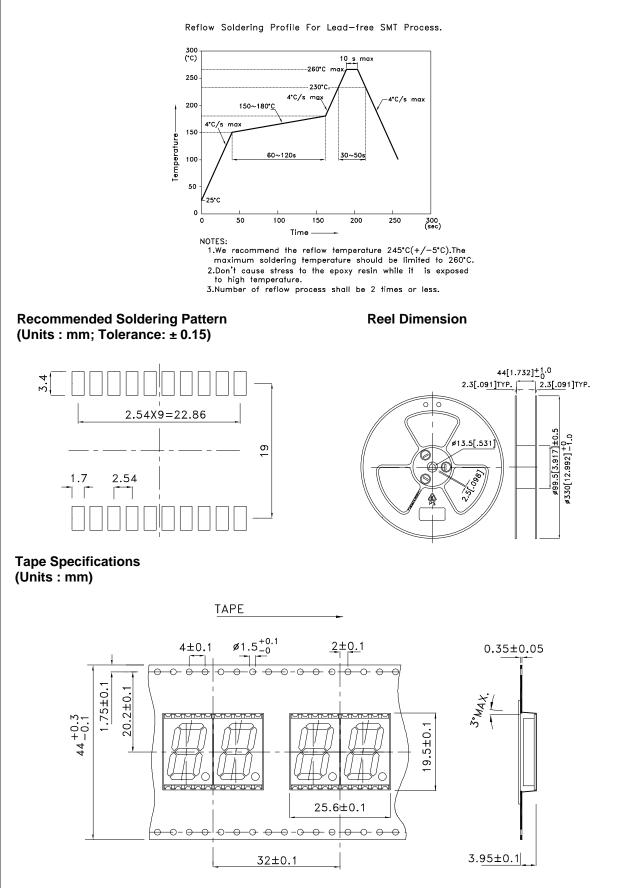
REV NO: V.10A

DATE: DEC/24/2015



Kingbright

ACDC56-41SRWA-F01



SPEC NO: DSAG0256

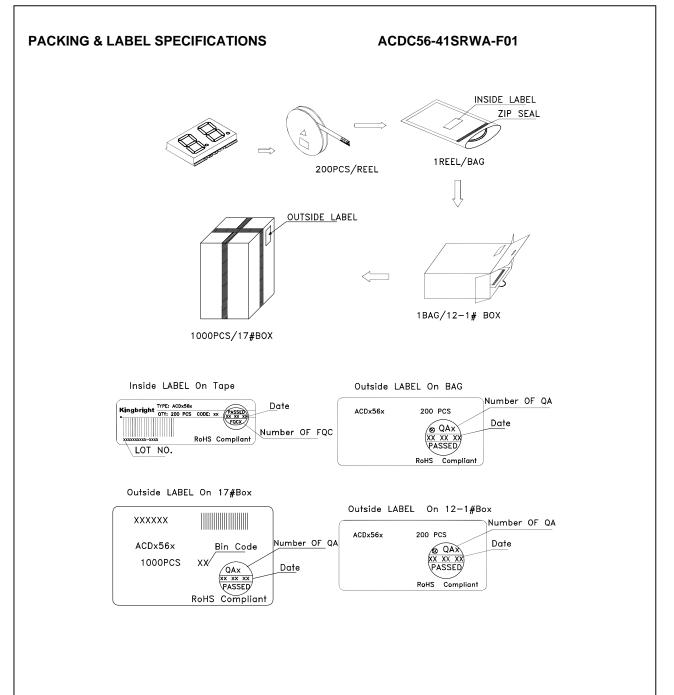
REV NO: V.10A

DATE: DEC/24/2015



Distributor of Kingbright: Excellent Integrated System Limited Datasheet of ACDC56-41SRWA-F01 - DISPLAY 660NM RED 2DIG 0.56" SMD Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

Kingbright



Terms and conditions for the usage of this document

- 1. The information included in this document reflects representative usage scenarios and is intended for technical reference only.
- 2. The part number, type, and specifications mentioned in this document are subject to future change and improvement without notice. Before production usage customer should refer to the latest datasheet for the updated specifications.
- 3. When using the products referenced in this document, please make sure the product is being operated within the environmental and electrical limits specified in the datasheet. If customer usage exceeds the specified limits, Kingbright will not be responsible for any subsequent issues.
- 4. The information in this document applies to typical usage in consumer electronics applications. If customer's application has special reliability requirements or have life-threatening liabilities, such as automotive or medical usage, please consult with Kingbright representative for further assistance.
- 5. The contents and information of this document may not be reproduced or re-transmitted without permission by Kingbright.
- 6. All design applications should refer to Kingbright application notes available at http://www.KingbrightUSA.com/ApplicationNotes