

Excellent Integrated System Limited

Stocking Distributor

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Kingbright ACSC03-41SURKWA-F01

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



Distributor of Kingbright: Excellent Integrated System Limited Datasheet of ACSC03-41SURKWA-F01 - DISPLAY 650NM RED 1DIG 0.3" SMD Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

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SURFACE MOUNT DISPLAY

Description

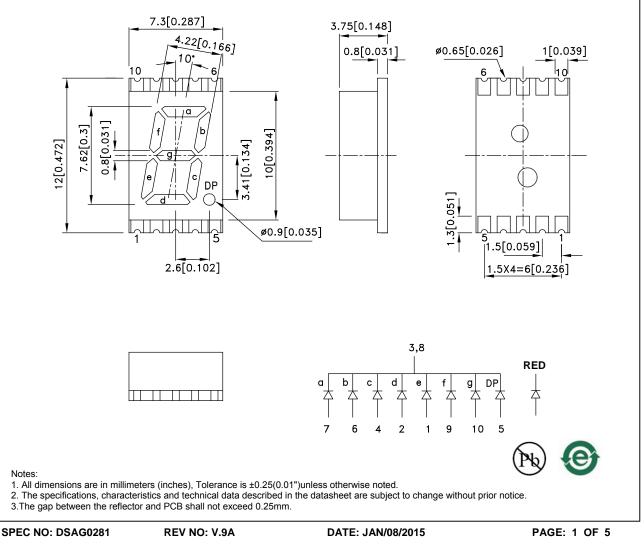
Part Number: ACSC03-41SURKWA-F01 Hyper Red

The Hyper Red source color devices are made with Al-GalnP on GaAs substrate Light Emitting Diode.

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.







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Selection Guide

Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description		
			Min.	Тур.			
ACSC03-41SURKWA-F01	Hyper Red (AlGaInP)	White Diffused	14000	27000	Common Cathode, Rt Hand Decimal.		
			*3600	*6400			

Note:

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	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Hyper Red	645		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Hyper Red	630		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Hyper Red	28		nm	I⊧=20mA
С	Capacitance	Hyper Red	35		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Hyper Red	1.95	2.5	V	I⊧=20mA
IR	Reverse Current	Hyper Red		10	uA	VR=5V

Notes:

1.Wavelength: +/-1nm.

2.Forward Voltage: +/-0.1V.

3.Wavelength value is traceable to the CIE127-2007 compliant national 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 Hyper Red Units Power dissipation 75 mW DC Forward Current 30 mΑ Peak Forward Current [1] 185 mΑ V **Reverse Voltage** 5 -40°C To +85°C Operating / Storage Temperature

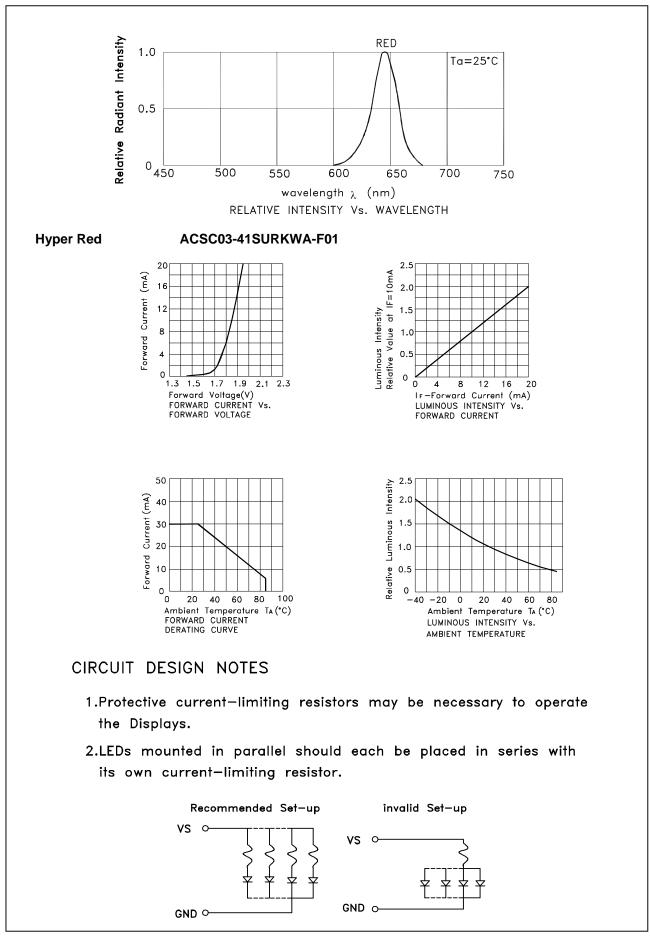
Note:

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



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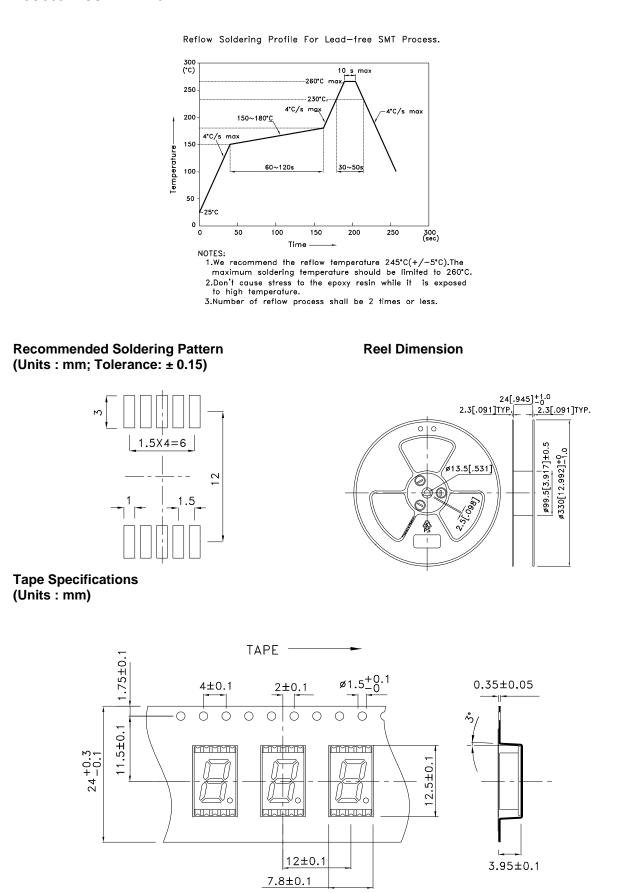
SPEC NO: DSAG0281

REV NO: V.9A



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ACSC03-41SURKWA-F01



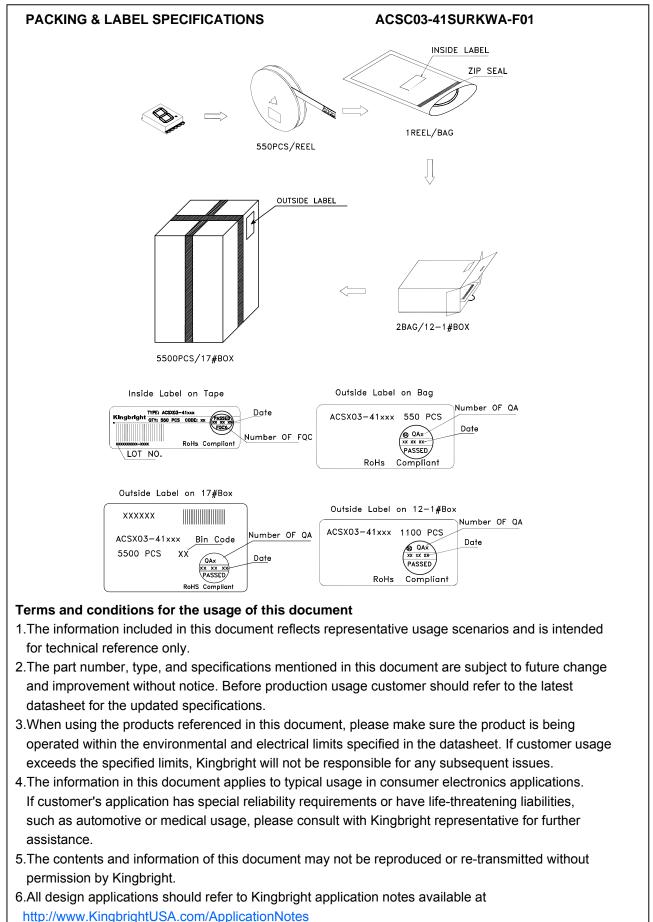
SPEC NO: DSAG0281

REV NO: V.9A

DATE: JAN/08/2015



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SPEC NO: DSAG0281	REV NO: V.9A	DATE: JAN/08/2015	PAGE: 5 OF 5