

Excellent Integrated System Limited

Stocking Distributor

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Kingbright ACSA04-41SURKWA-F01

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Distributor of Kingbright: Excellent Integrated System Limited Datasheet of ACSA04-41SURKWA-F01 - DISPLAY 0.4" SGL 650NM RED SMD Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

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SURFACE MOUNT DISPLAY

Description

Part Number: ACSA04-41SURKWA-F01 Hyper Red

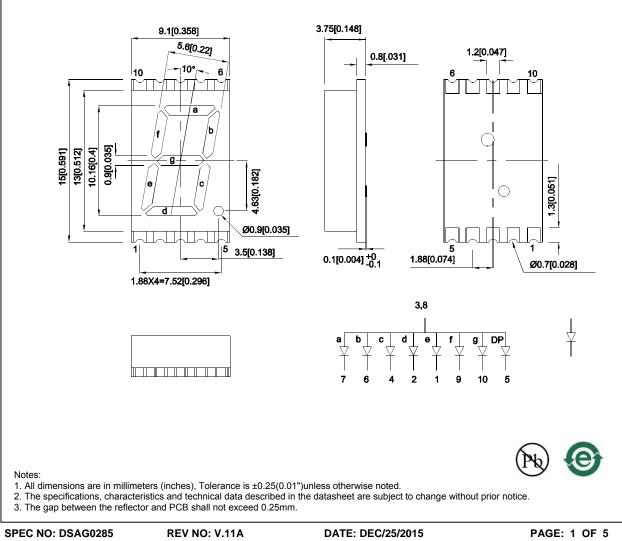
The Hyper Red source color devices are made with Al-

GaInP on GaAs substrate Light Emitting Diode.

Features

- 0.4 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





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Selection Guide

	Part No.	Emitting Color (Material)	Lens Type	lv (ucd) [1] @ 10mA		Description					
				Min.	Тур.						
	ACSA04-41SURKWA-F01	Hyper Red (AlGaInP)	White Diffused	21000	54000	Common Anode, Rt. Hand Decimal.					
				*9000	*20000						

Notes:

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	Hyper Red	645		nm	IF=10mA
λD [1]	Dominant Wavelength	Hyper Red	630		nm	I⊧=10mA
Δλ1/2	Spectral Line Half-width	Hyper Red	28		nm	I⊧=10mA
С	Capacitance	Hyper Red	35		pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	Hyper Red	1.85	2.5	V	I⊧=10mA
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.

Absolute Maximum Ratings at TA=25°C

4. Excess driving current and / or operating temperature higher than recommended conditions may result in severe light degradation or premature failure.

Parameter Values 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

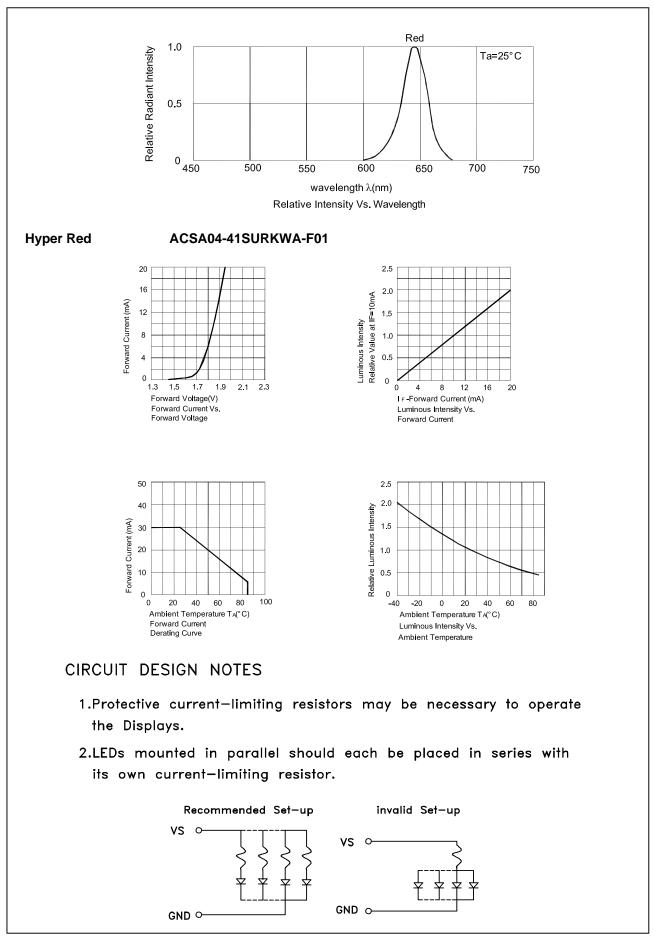
Note:

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



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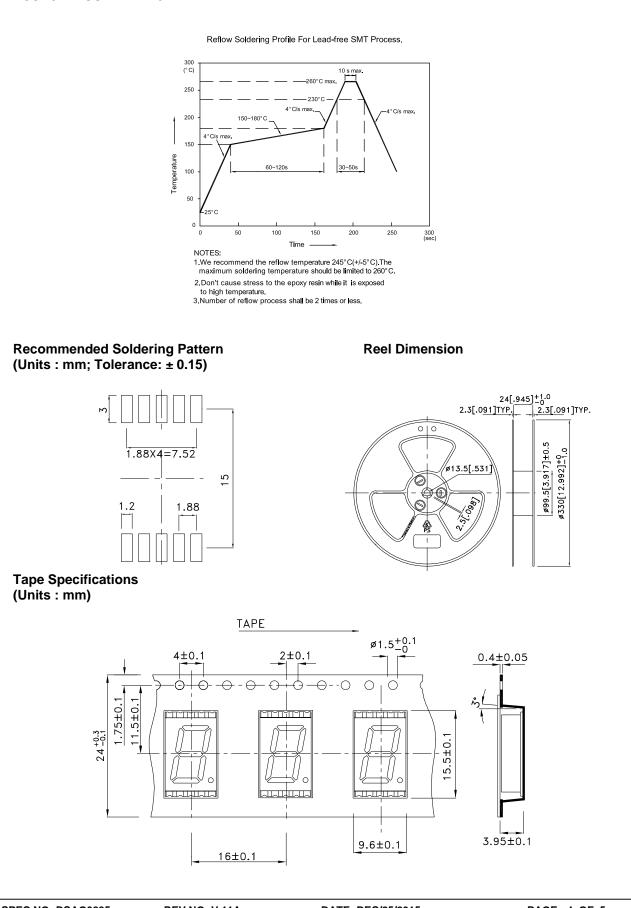


REV NO: V.11A



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ACSA04-41SURKWA-F01

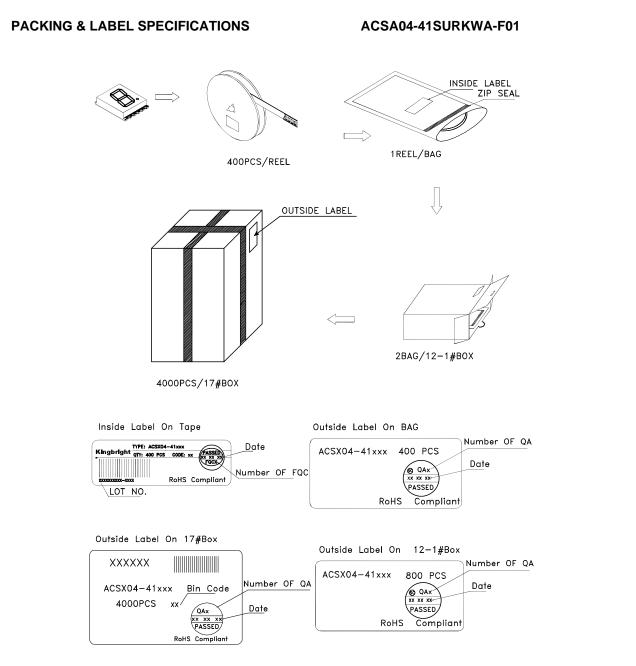


SPEC NO: DSAG0285



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