SURFACE MOUNT DISPLAY

Part Number: KCDC02-105 Hyper Red

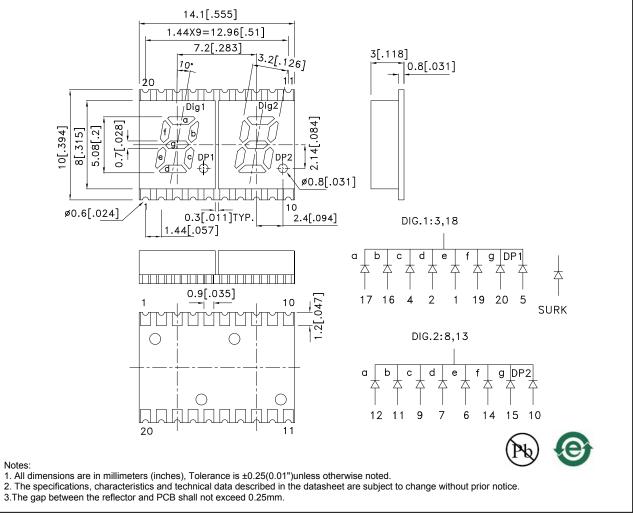
Features

- 0.2 inch digit height.
- Low current operation.
- Excellent character appearance.
- Mechanically rugged.
- Package :300pcs / reel.
- Gray face, white segment.
- Moisture sensitivity level : level 2a.
- RoHS compliant.

Description

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

Package Dimensions& Internal Circuit Diagram



SPEC NO: DSAF9682 APPROVED: WYNEC REV NO: V.8A CHECKED: Joe Lee DATE: NOV/12/2011 DRAWN: D.M.Su PAGE: 1 OF 5 ERP: 1352000308

Selection Guide								
Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description			
			Min.	Тур.				
KCDC02-105	Hyper Red (AlGaInP)	White Diffused	14000	30000	Common Cathode, Rt. Hand Decimal.			
			*3600	*8100				

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	Device	Тур.		Max.	Units	Test Conditions
λpeak	Peak Wavelength	Hyper Red	650	*645		nm	I⊧=20mA
λD [1]	Dominant Wavelength	Hyper Red	630	*630		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	Hyper Red	2	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
lr	Reverse Current	Hyper Red			10	uA	Vr=5V

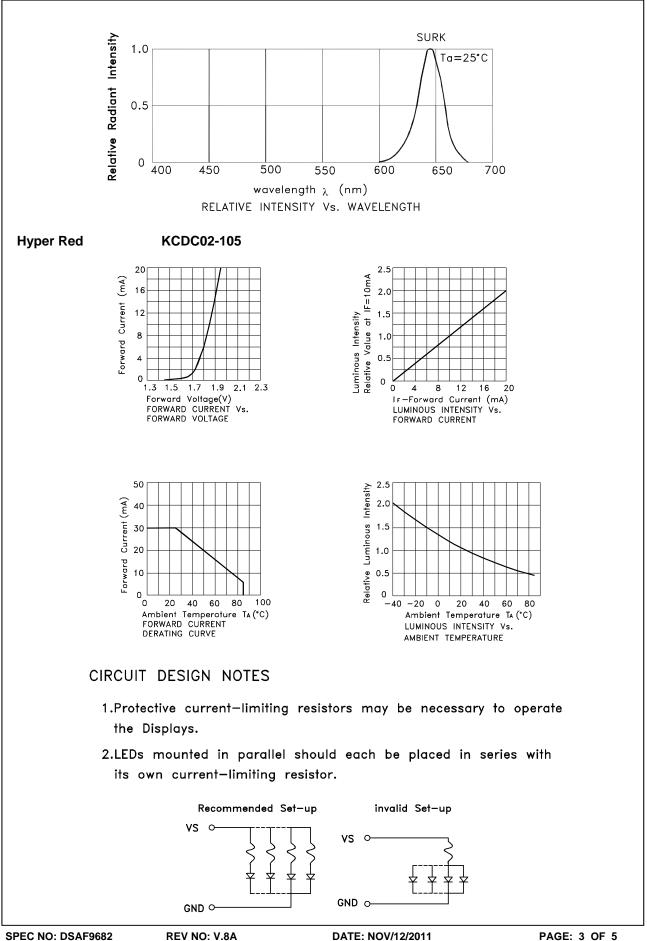
Notes: 1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. * Wavelength value is traceable to the CIE127-2007 compliant national standards.

Absolute Maximum Ratings at TA=25°C

Parameter	Hyper Red	Units		
Power dissipation	75	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	185	mA		
Reverse Voltage	5	V		
Operating / Storage Temperature	-40°C To +85°C			

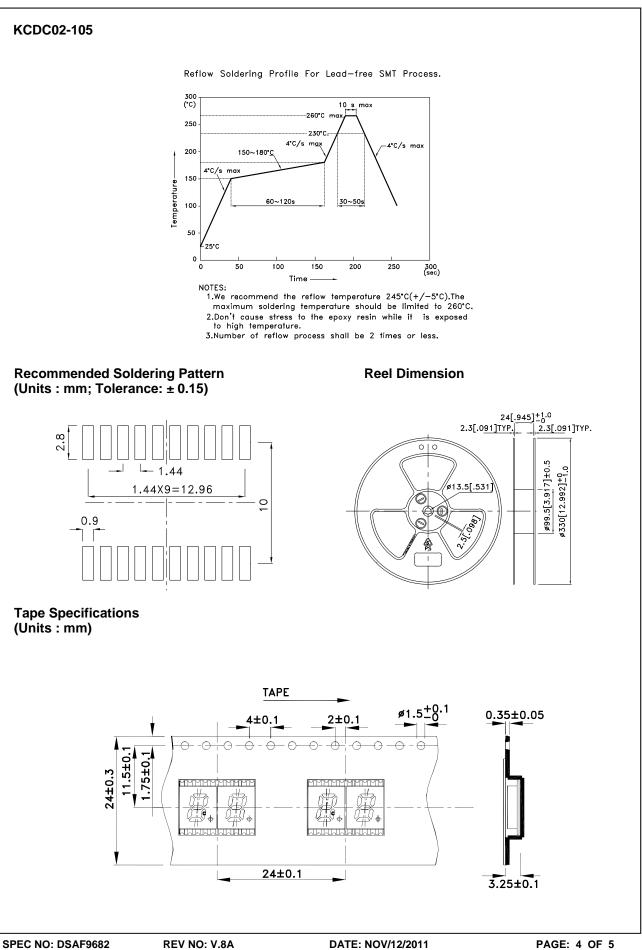
Note:

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



CHECKED: Joe Lee

DRAWN: D.M.Su



DATE: NOV/12/2011 DRAWN: D.M.Su

