SURFACE MOUNT DISPLAY

Part Number: KCDC56-101

High Efficiency Red

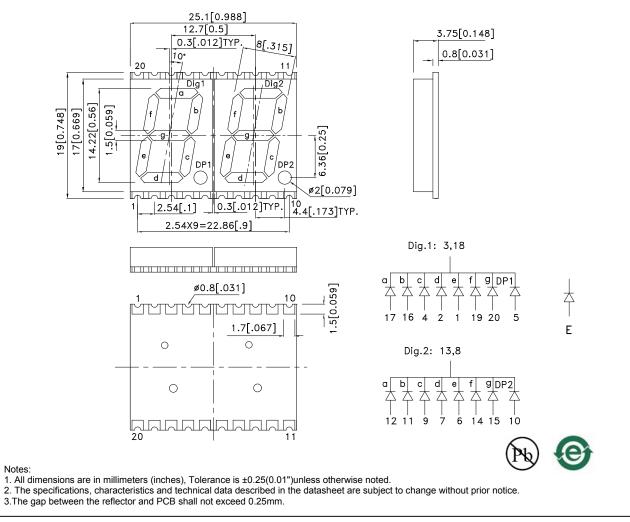
Features

- 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.

Description

The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.





SPEC NO: DSAF9980 APPROVED: WYNEC REV NO: V.6A CHECKED: Joe Lee DATE: MAR/31/2012 DRAWN: D.M.Su PAGE: 1 OF 5 ERP: 1352000316

	Selection Guide						
	Part No.	Dice	Lens Type	lv (ucd) [1] @ 10mA		Description	
				Min.	Тур.		
	KCDC56-101	High Efficiency Red (GaAsP/GaP)	White Diffused	2200	5400	Common Cathode,	
	101	Thigh Enclency Red (GaAsr/Gar)		*900	*1600	Rt. Hand Decimal	

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	Ту	/p.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	High Efficiency Red	627	*627		nm	I⊧=20mA
λD [1]	Dominant Wavelength	High Efficiency Red	625	*617		nm	I⊧=20mA
Δλ1/2	Spectral Line Half-width	High Efficiency Red	4	45		nm	I⊧=20mA
С	Capacitance	High Efficiency Red	15			pF	VF=0V;f=1MHz
Vf [2]	Forward Voltage	High Efficiency Red	2	.0	2.5	V	I⊧=20mA
lr	Reverse Current	High Efficiency Red			10	uA	Vr=5V

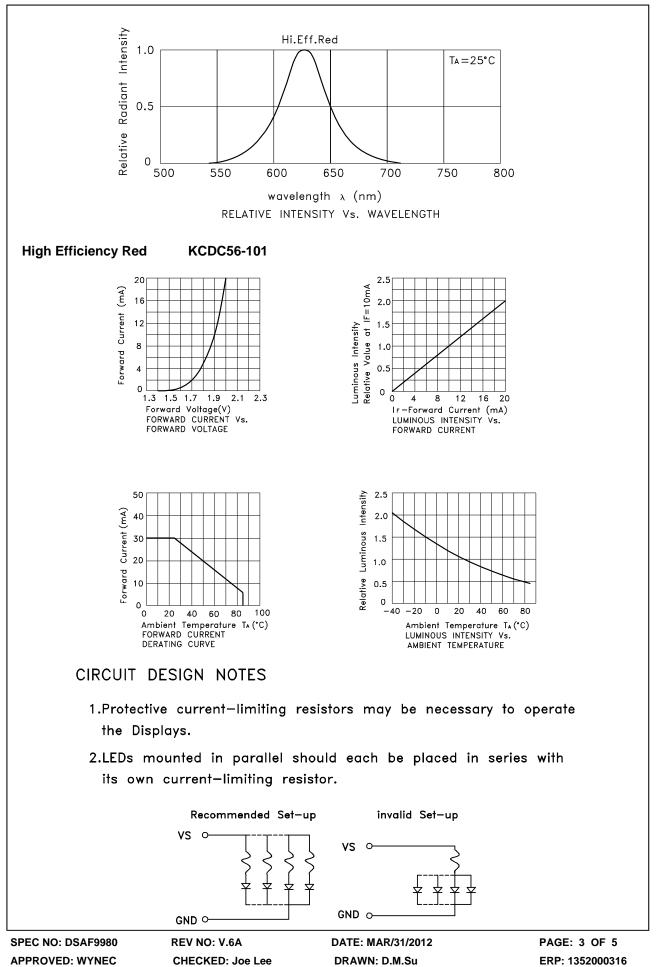
Notes: 1.Wavelength: +/-1nm. 2. Forward Voltage: +/-0.1V. * Wavelength value is traceable to the CIE127-2007 compliant national standards.

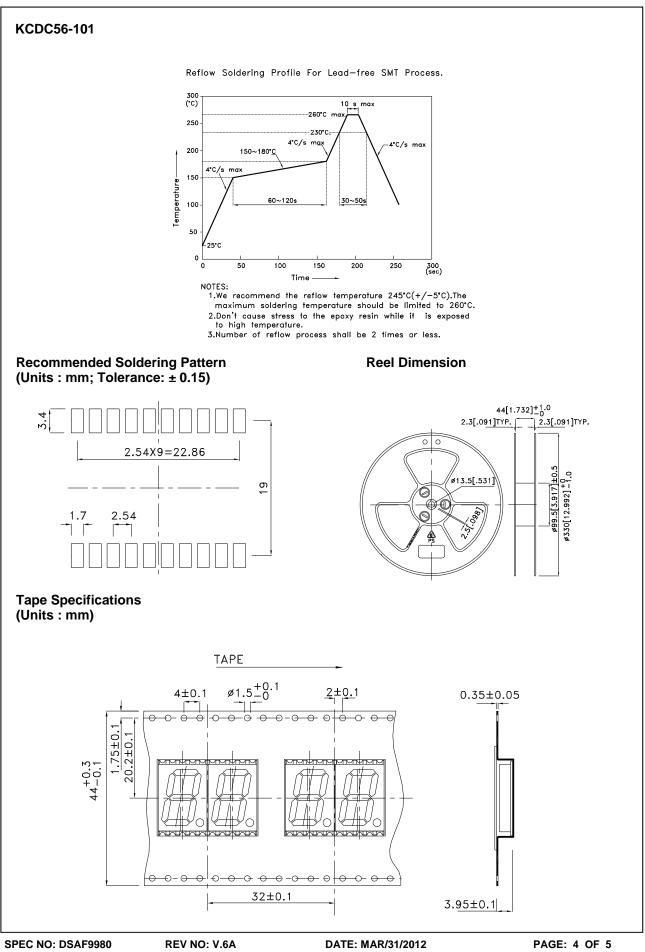
Absolute Maximum Ratings at TA=25°C

Parameter	High Efficiency Red	Units
Power dissipation	75	mW
DC Forward Current	30	mA
Peak Forward Current [1]	160	mA
Reverse Voltage	5	V
Operating / Storage Temperature	-40°C To +85°C	

Note:

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





APPROVED: WYNEC

CHECKED: Joe Lee

DRAWN: D.M.Su

