SURFACE MOUNT DISPLAY

KPDC03-103

YELLOW

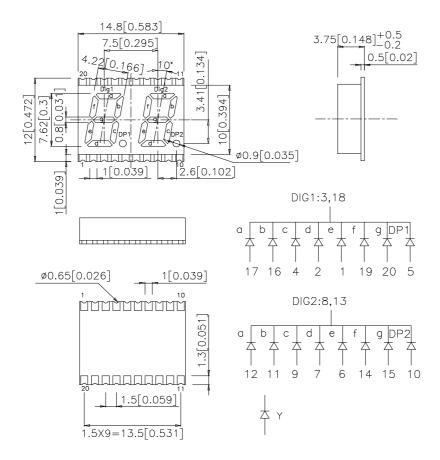
Features

- •0.3 INCH DIGIT HEIGHT.
- •LOW CURRENT OPERATION.
- •EXCELLENT CHARACTER APPEARANCE.
- •I.C. COMPATIBLE.
- •MECHANICALLY RUGGED.
- •GRAY FACE, WHITE SEGMENT.
- •PACKAGE: 600PCS/REEL.

Description

The Yellow source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Yellow Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



Notes

- 1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25 (0.01")$ unless otherwise noted.
- 2. Specifications are subject to change without notice.

SPEC NO: DSAD0142 REV NO: V.2 DATE: MAR/22/2005 PAGE: 1 OF 4
APPROVED: J. Lu CHECKED: Joe Lee DRAWN: W.J.ZHU

Selection Guide

Part No.	Dice	Lens Type	lv (ud @ 10	,	Description
			Min.	Тур.	-
KPDC03-103	YELLOW (GaAsP/GaP)	WHITE DIFFUSED	480	2290	Common Cathode,Rt. Hand Decimal.

Electrical / Optical Characteristics at Ta=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Yellow	590		nm	I==20mA
λD	Dominant Wavelength	Yellow	588		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Yellow	35		nm	IF=20mA
С	Capacitance	Yellow	20		pF	VF=0V;f=1MHz
VF	Forward Voltage	Yellow	2.1	2.5	V	IF=20mA
lr	Reverse Current	Yellow		10	uA	VR = 5V

Absolute Maximum Ratings at Ta=25°C

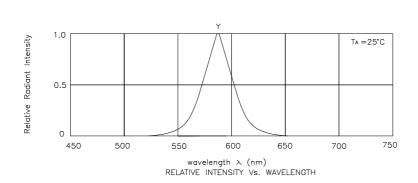
Parameter	Yellow	Units		
Power dissipation	105	mW		
DC Forward Current	30	mA		
Peak Forward Current [1]	140	mA		
Reverse Voltage	5	V		
Operating / Storage Temperature	-40°C To +85°C			

Note:

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

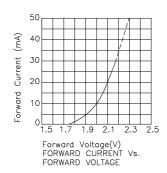
SPEC NO: DSAD0142 REV NO: V.2 DATE: MAR/22/2005 PAGE: 2 OF 4 DRAWN: W.J.ZHU

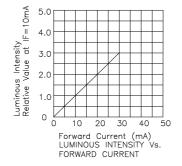
APPROVED: J. Lu **CHECKED:** Joe Lee

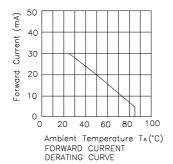


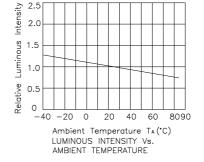
Yellow

KPDC03-103









DRAWN: W.J.ZHU

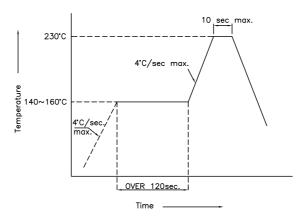
SPEC NO: DSAD0142 REV NO: V.2 DATE: MAR/22/2005 PAGE: 3 OF 4

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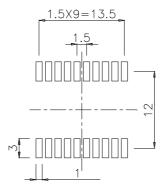
APPROVED: J. Lu

KPDC03-103 SMT Reflow Soldering Instructions

Number of reflow process shall be 2 times or less and cooling process to normal temperature is required between first and second soldering process.

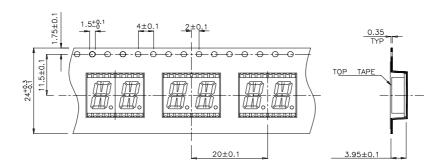


Recommended Soldering Pattern (Units: mm)



Tape Specifications (Units: mm)

TAPE ----



Remarks:

If special sorting is required (e.g. binning based on forward voltage,luminous intensity, or wavelength), the typical accuracy of the sorting process is as follows:

- 1. Wavelength: +/-1nm
- 2. Luminous Intensity: +/-15%
- 3. Forward Voltage: +/-0.1V

Note: Accuracy may depend on the sorting parameters.

SPEC NO: DSAD0142 REV NO: V.2 DATE: MAR/22/2005 PAGE: 4 OF 4
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