

APPDC04-41YWA YELLOW

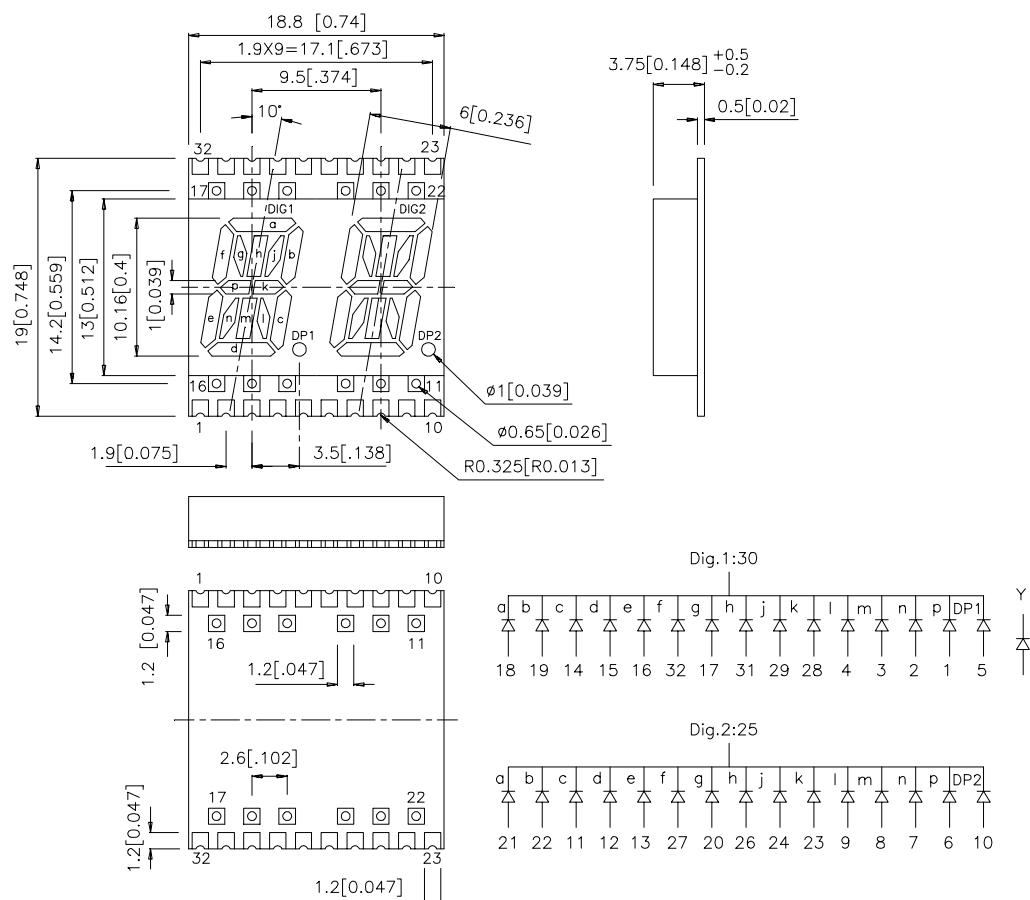
Features

- 0.4 INCH CHARACTER HEIGHT.
- LOW CURRENT OPERATION.
- HIGH CONTRAST AND LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- CATEGORIZED FOR LUMINOUS INTENSITY.
- MECHANICALLY RUGGED.
- GRAY FACE, WHITE SEGMENT.
- PACKAGE : 500PCS / 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.

Selection Guide

Part No.	Dice	Lens Type	IV (ucd) @ 10mA		Description
			Min.	Typ.	
APPDC04-41YWA	YELLOW (GaAsP/GaP)	WHITE DIFFUSED	800	3400	Common Cathode, Rt. Hand Decimal

Electrical / Optical Characteristics at $T_A=25^\circ C$

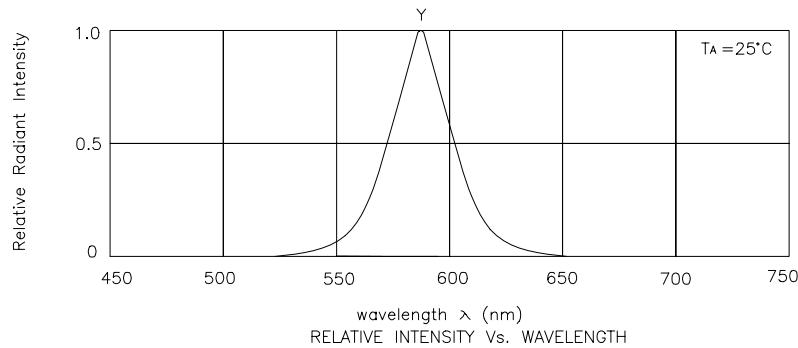
Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	Yellow	590		nm	$I_F=20mA$
λD	Dominate Wavelength	Yellow	588		nm	$I_F=20mA$
$\Delta\lambda/2$	Spectral Line Half-width	Yellow	35		nm	$I_F=20mA$
C	Capacitance	Yellow	20		pF	$V_F=0V;f=1MHz$
V_F	Forward Voltage	Yellow	2.1	2.5	V	$I_F=20mA$
I_R	Reverse Current	Yellow		10	uA	$V_R = 5V$

Absolute Maximum Ratings at $T_A=25^\circ C$

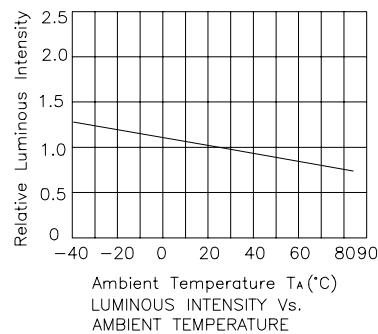
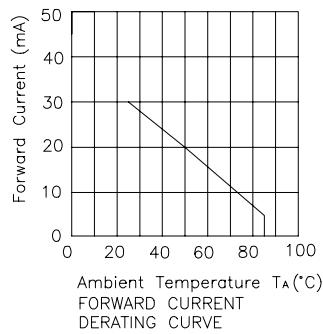
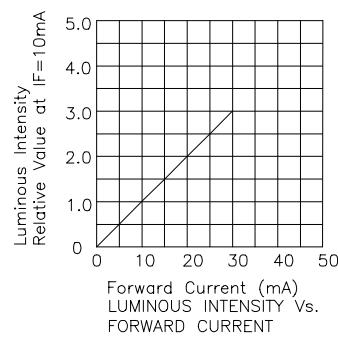
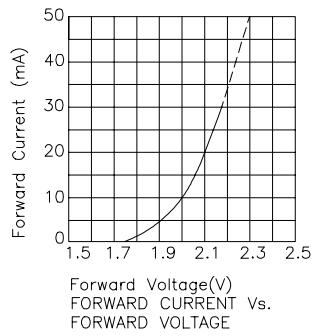
Parameter	Yellow	Units
Power dissipation	105	mW
DC Forward Current	30	mA
Peak Forward Current [1]	140	mA
Reverse Voltage	5	V
Operating/Storage Temperature	-40°C To +85°C	

Note:

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



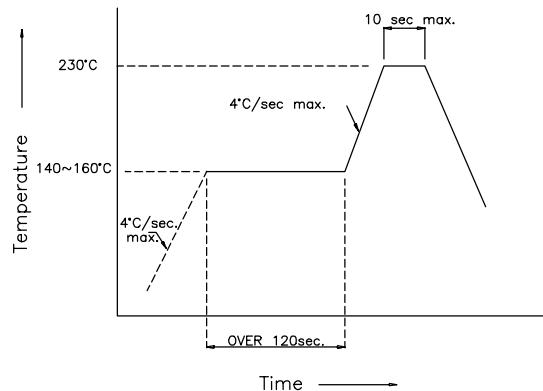
Yellow APPDC04-41YWA



APPDC04-41YWA

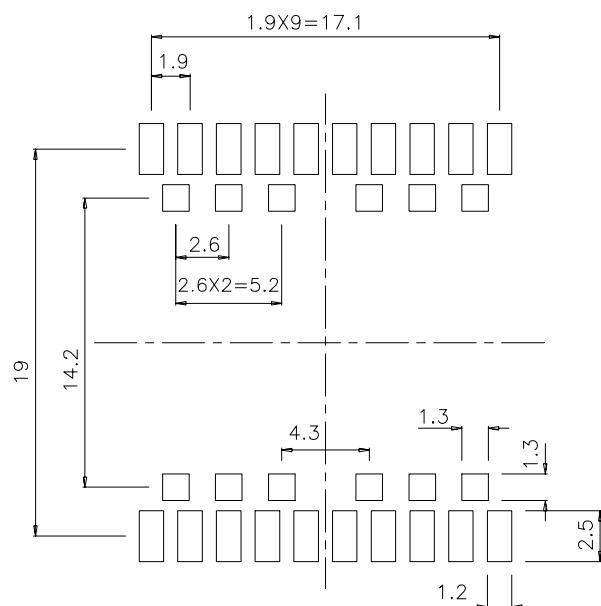
SMT Reflow Soldering Instructions

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



Recommended Soldering Pattern

(Units : mm)



Tape Specifications
(Units : mm)

