



Seven Segment Display Data Sheet

Description

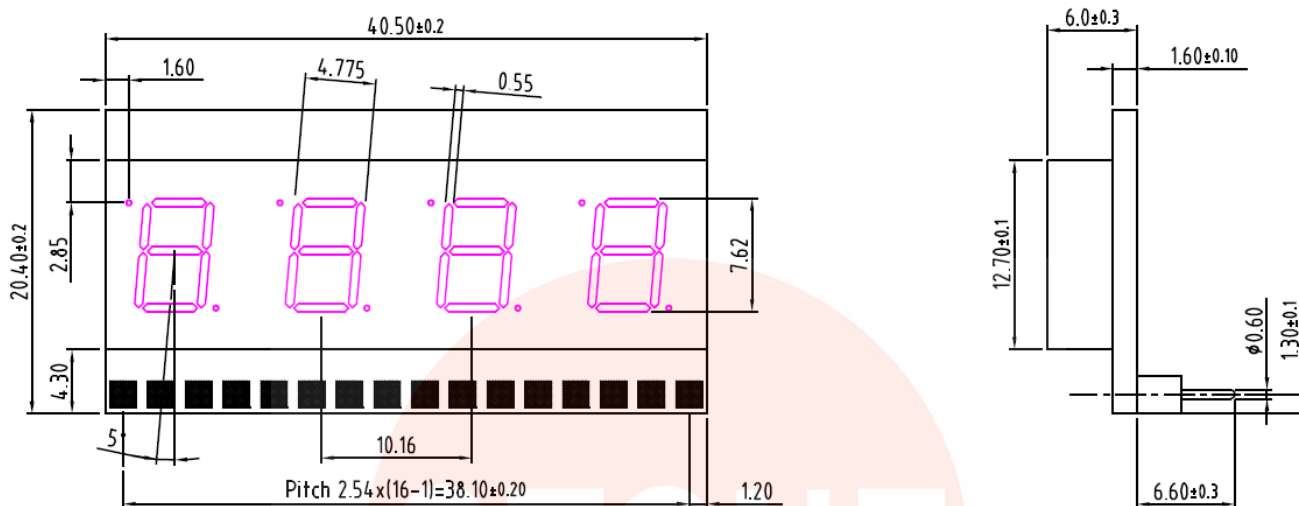
The YDQ-34019CY-N is a 0.3inch (7.62mm) digit height quadruple digit display.

This device uses AlInGaP Yellow chips, which are made from AlInGaP on a non-transparent GaAs substrate. The display has black face and white segments with transparent cap.

Features

- 0.3 inch (7.62mm) digit height
- Continuous uniform segments
- Low power requirement
- Excellent characters appearance
- High brightness & high contrast
- Wide viewing angle
- Solid state reliability
- Categorized for luminous intensity

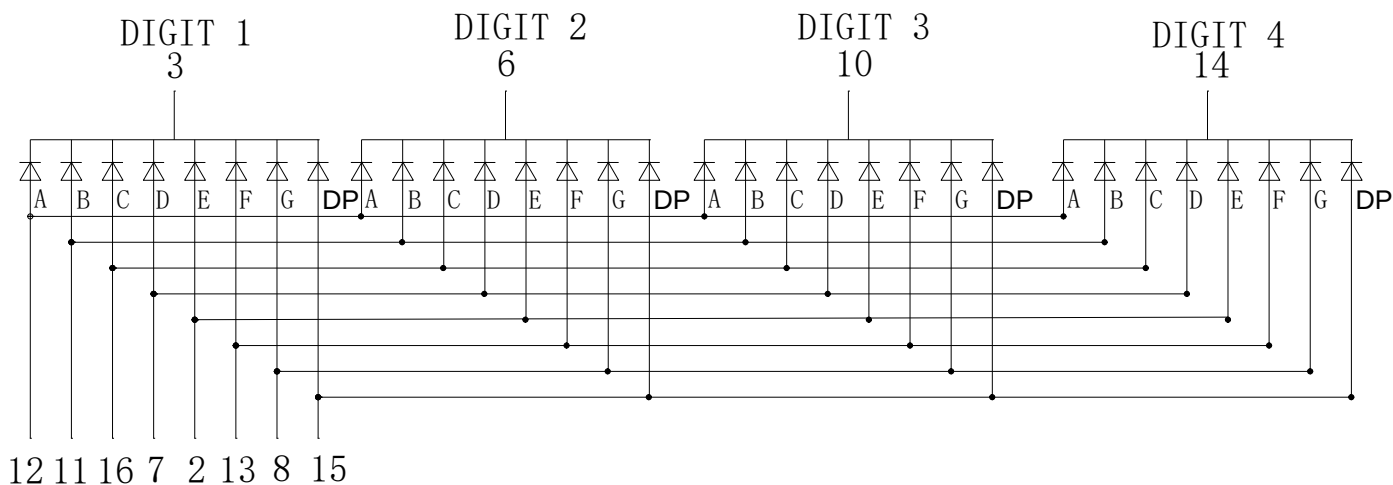
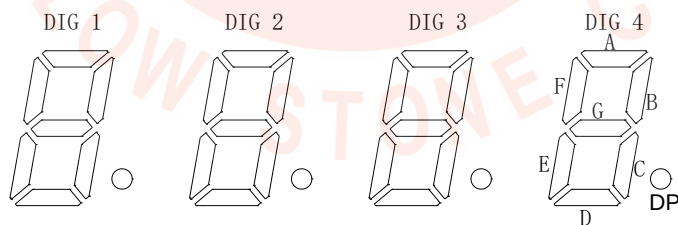
Package Dimensions



NOTES:

All dimensions are in millimeters. Tolerances are 0.25 mm (0.01 ") unless otherwise noted.

Internal Circuit Diagram





Absolute Maximum Rating (Ta = 25°C)

Parameter	Max.	Unit
Power Dissipation Per Segment	75	mW
Peak Forward Current Per Segment (Frequency 1Khz, 15% duty cycle)	60	mA
Continuous Forward Current Per Segment	25	mA
Reverse Voltage Per Segment	5	V
Operating Temperature Range	-35°C to +85°C	
Storage Temperature Range	-35°C to +85°C	
Soldering Conditions: 1/16 inch below seating plane for 3 seconds at 260°C		

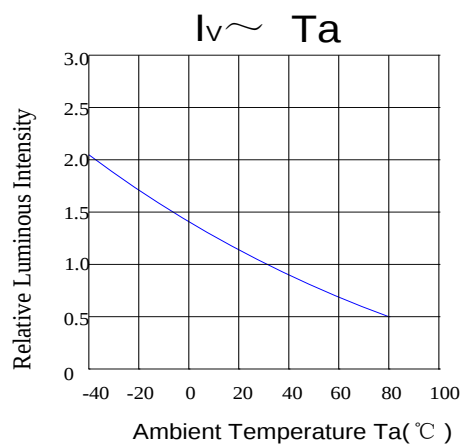
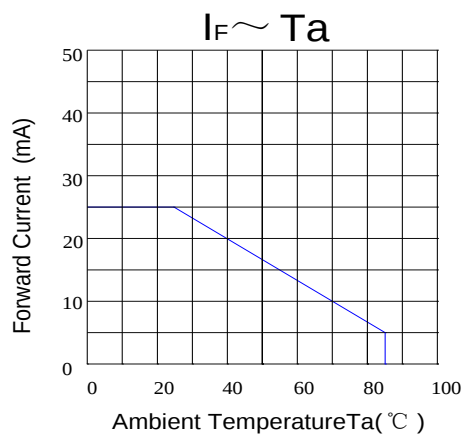
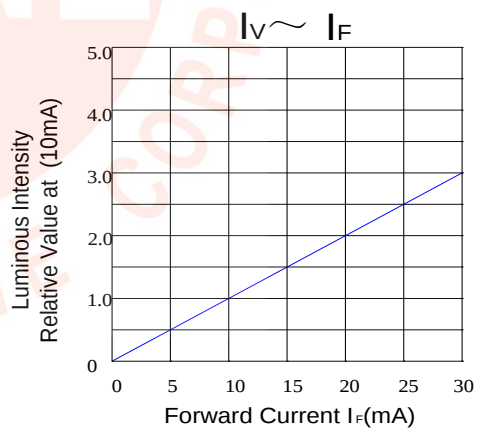
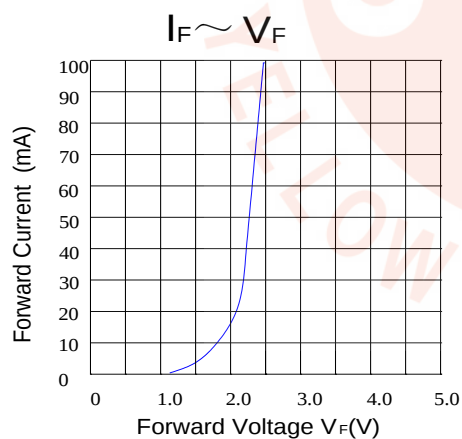
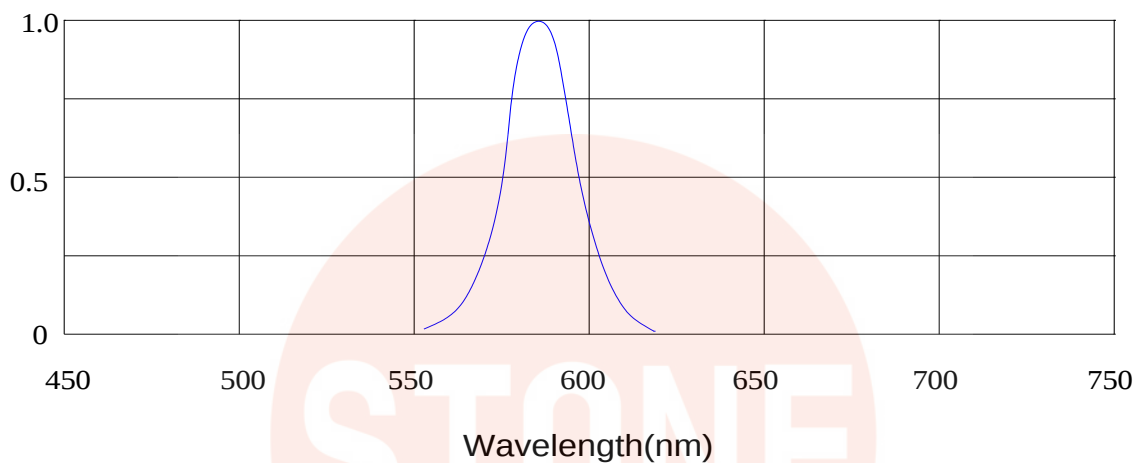
Electrical / Optical Characteristics (Ta = 25°C)

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT	TEST CONDITION
Average Luminous Intensity	Iv	3	6		mcd	IF=10mA
Peak Emission Wavelength	λ_p		594		nm	IF=20mA
Spectral Line Half-Width	$\Delta\lambda$		17		nm	IF=20mA
Dominant Wavelength	λ_d		590		nm	IF=20mA
Forward Voltage Per Segment	VF		2.0	2.6	V	IF=20mA
Reverse Current Per Segment	IR			10	μ A	VR=5V
Luminous Intensity Matching Ratio	Iv-m			2:1		IF=10mA

Typical Electrical / Optical Characteristic Curves

(25°C Ambient Temperature Unless Otherwise Noted)

RELATIVE INTENSITY vs WAVELENGTH





早安股份有限公司
YELLOW STONE CORP.

Package Flow

