



### 0.36"(9.10mm)Three Digit 7 Segment Display

#### Features:

- \*Ultra segment intensity
- \*Wide viewing angle
- \*Range of colors
- \*Black face White segment
- \*RoHS compliant

#### Available option:

- \*Alternative face and segment color
- \*Alternative font
- \*Cropped terminal pins
- \*Available emitting color

#### Electro/Optical Characteristics If=20mA Ta=25°C

Part Number Common Cathode	Part Number Common Anode	Emitting Color	Peak Wavelength	Forward Voltage Vf/Seg.		Luminous Intensity Iv/Seg.	
				Typ.	Max.	Min.	Typ.
NFD-3631AUR-11	NFD-3631BUR-11	GaAlAs/GaAs DDH Ultra Red	660	1.90	2.50	30.00	50.00
NFD-3631AUHR-11	NFD-3631BUHR-11	AlGaInP/GaAs Ultra Bright Red	640	2.00	2.50	40.00	60.00
Units			nm	V		mcd	

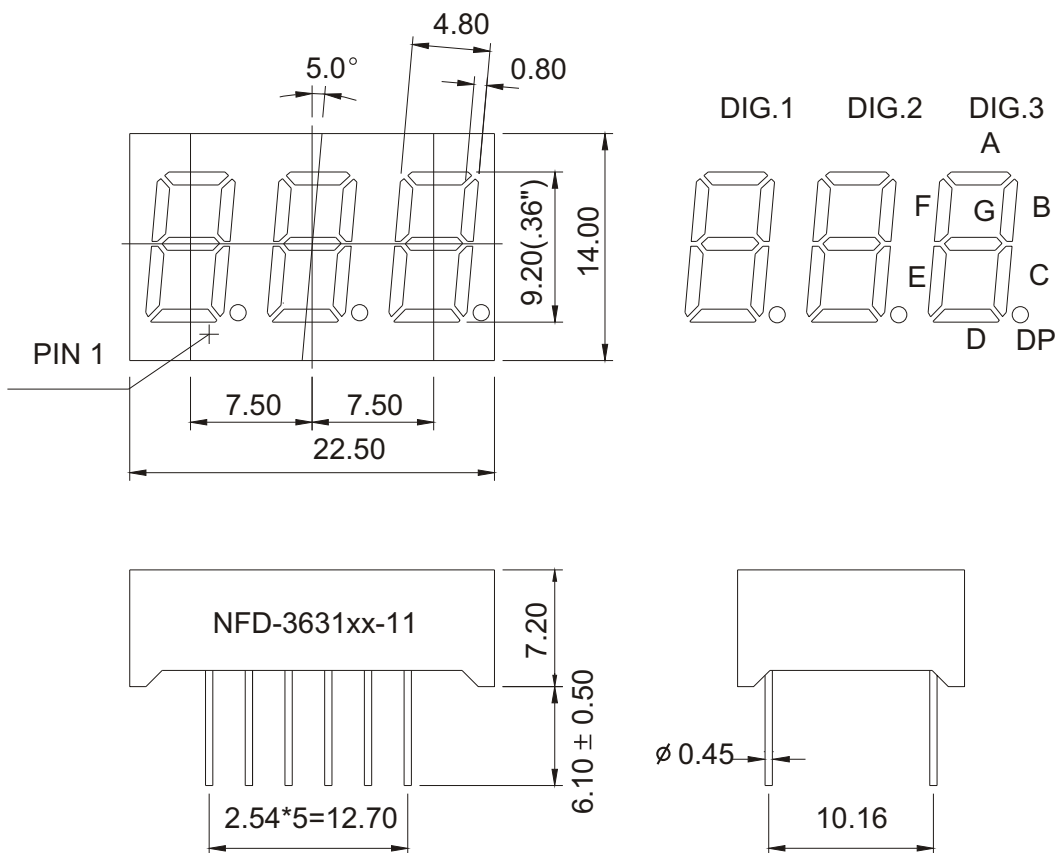
#### Maximum Ratings Ta=25°C (Derate above 25°C)

Characteristic	Test Condition	Symbol	UR	UHR						Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I <sub>FP</sub>	100	100						mA
DC Forward Current Per Seg.		I <sub>F</sub>	25	30						mA
Reverse Current Per Seg.	V <sub>R</sub> =5V	I <sub>R</sub>	10	10						μA
Power Dissipation		P <sub>D</sub>	60*24	65*24						mW
Operating Temperature		T <sub>OPR</sub>	-40 to +80							°C
Storage Temperature		T <sub>TSG</sub>	-40 to +85							°C
Lead soldering temperature	1.60mm from body maximum 3 seconds		260							°C



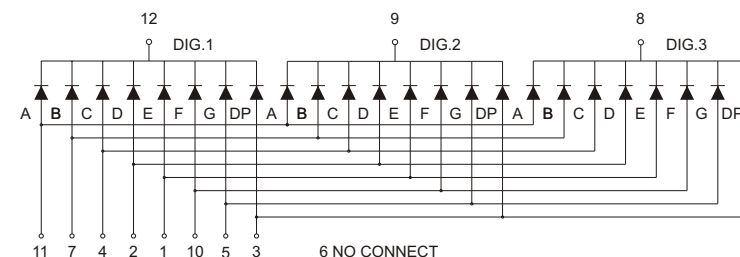
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### PACKAGE DIMENSION

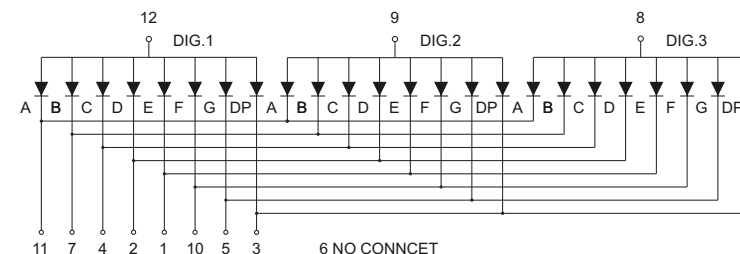


### INTERNAL CIRCUIT DIAGRAM

#### Common Cathode NFD-3631Ax



#### Common Anode NFD-3631Bx



Tolerance  $\pm 0.25\text{mm}$  unless stated

Checked

Chen N.H.

Approved

Jason Chen

Date

Nov/20/2006

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