



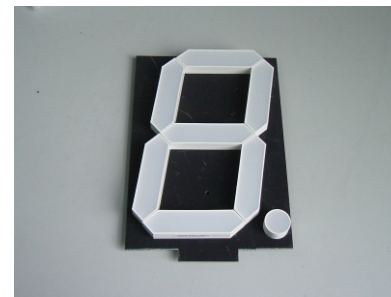
16.00"(410.00mm)Single Digit 7 Segment Display

Features:

- *High segment intensity
- *Wide viewing angle
- *Range of colors
- *White face White segment
- *RoHS compliant

Available option:

- *Available emitting color
- *Available segment color



Electro/Optical Characteristics If=20*6mA Ta=25°C

Part Number Common Cathode	Part Number Common Anode	Emitting Color	Peak Wavelength	Forward Voltage V _F /Seg.(DP)		Luminous Intensity I _v /Seg.(DP)	
				Typ.	Max.	Min.	Typ.
	NFD-160011BS-01	GaAlAs/GaAs SH Hi-Red	660	27.00	33.00	480.00	720.00
	NFD-160011BD-01	GaAlAs/GaAs DH Super Red	660	27.00	33.00	1320.0	1680.0
	NFD-160011BUE-01	AlGaInP/GaAs Ultra Orange	632	30.00	35.00	6000.0	9000.0
Units			nm	V		mcd	

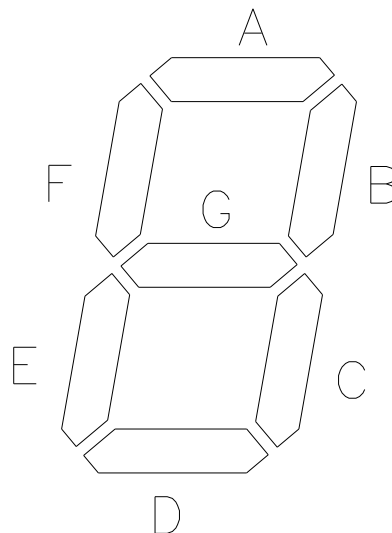
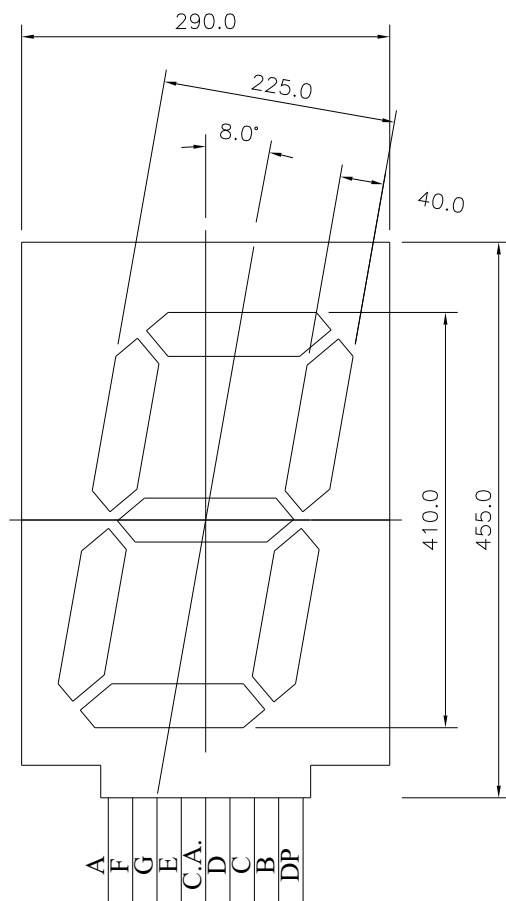
Maximum Ratings Ta=25°C (Derate above 25°C)

Characteristic	Test Condition	Symbol	S	D	UE			Units	
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I _{FP}	100*6	100*6	100*6			mA	
DC Forward Current Per Seg.		I _F	25*6	25*6	30*6			mA	
Reverse Current Per Seg.	V _R =50V	I _R	10	10	10			μA	
Power Dissipation		P _D	60*630	60*630	65*630			mW	
Operating Temperature		T _{OPR}					-40 to +80		°C
Storage Temperature		T _{STG}					-40 to +85		°C
Lead soldering temperature	1.60mm from body maximum 3 seconds						260		°C



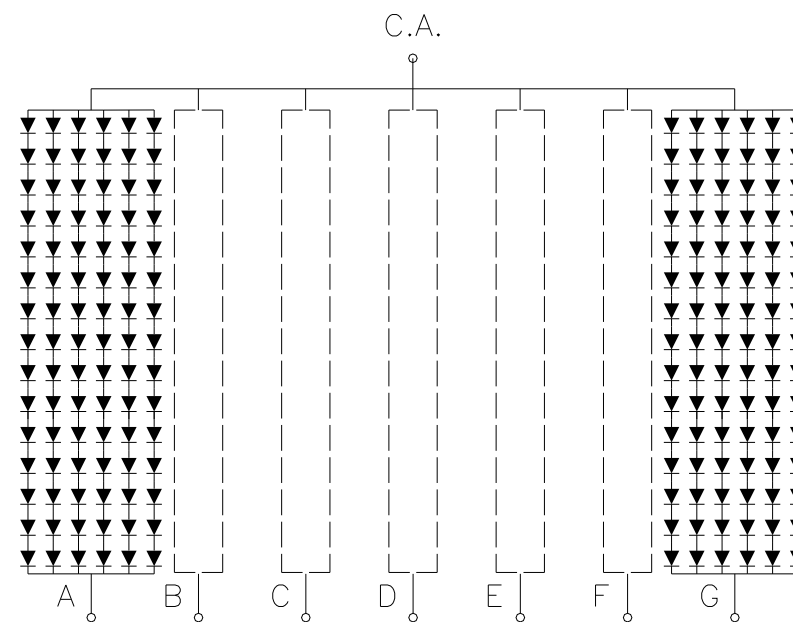
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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM

Common Anode
NFD-160011Bx



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

Checked

Chen N.H.

Approved

Jason Chen

Date

Sep/05/2006

PAGE 2 /2