



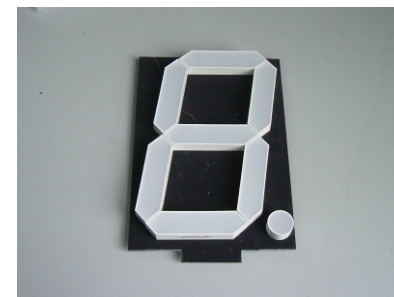
16.00"(410.00mm)Single Digit 7 Segment Display

Features:

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

Available option:

- *Alternative face and segment color
- *Alternative font
- *Cropped terminal pins
- *Available emitting color
- *Low current version



Electro/Optical Characteristics If=20mA 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-160011BUHR-01	AlGaInP/GaAs Ultra Red	640	30.00	37.50	3600.00	5400.00
	NFD-160011BUE-01	AlGaInP/GaAs Ultra Orange	632	30.00	37.50	3600.00	5400.00
	NFD-160011BYO-01	AlGaInP/GaAs Ultra Amber	605	30.00	37.50	3600.00	5400.00
	NFD-160011BUY-01	AlGaInP/GaAs Ultra Yellow	590	30.00	37.50	3600.00	5400.00
	NFD-160011BUG-01	AlGaInP/GaAs Ultra Green	574	31.50	37.50	2250.00	3600.00
	NFD-160011BPG-01	InGaN/SiC Pure Green	525	49.50	57.00	13500.00	18000.00
	NFD-160011BUB-01	InGaN/SiC Ultra Blue	470	49.50	57.00	3600.00	9000.00
	NFD-160011BUW-01	InGaN/SiC Ultra White	X-0.31/Y-0.31	49.50	57.00	18000.00	45000.00
Units			nm	V		mcd	

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

Characteristic	Test Condition	Symbol	UR	UE	YO	UY	UG	PG	UB	UW	Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I _{FP}	100*6	100*6	100*6	100*6	100*6	100*6	100*6	100*6	mA
DC Forward Current Per Seg.		I _F	25*6	30*6	30*6	30*6	30*6	30*6	30*6	30*6	mA
Reverse Current Per Seg.	V _R =5V	I _R	10	10	10	10	10	10	10	10	μA
Power Dissipation		P _D	60*630	65*630	65*630	65*630	75*630	110*630	120*630	120*630	mW
Operating Temperature		T _{OPR}	-40 to +80								°C
Storage Temperature		T _{TSG}	-40 to +85								°C
Lead soldering temperature	1.60mm from body maximum 3 seconds		260								°C

Checked

Chen N.H.

Approved

Jason Chen

Date

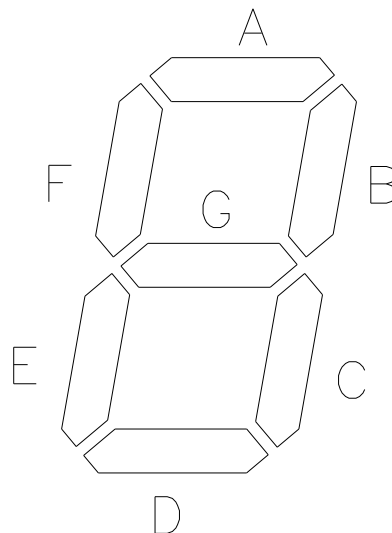
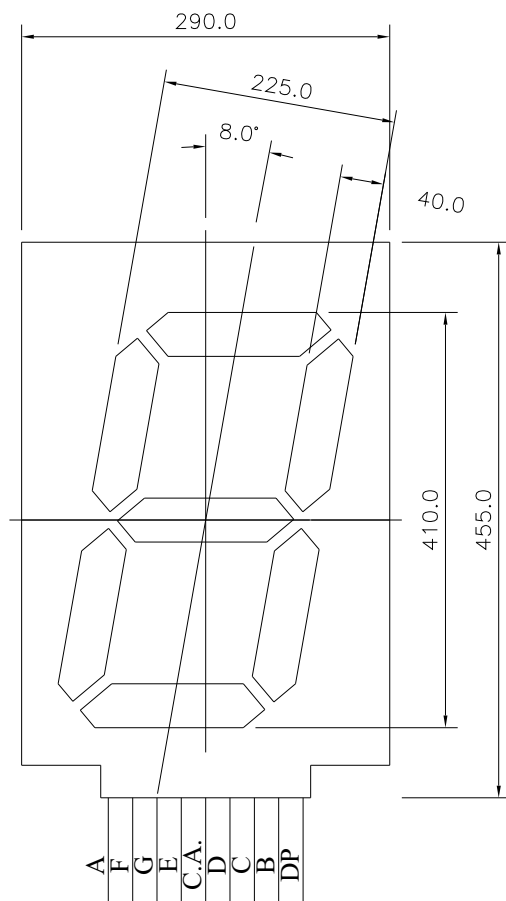
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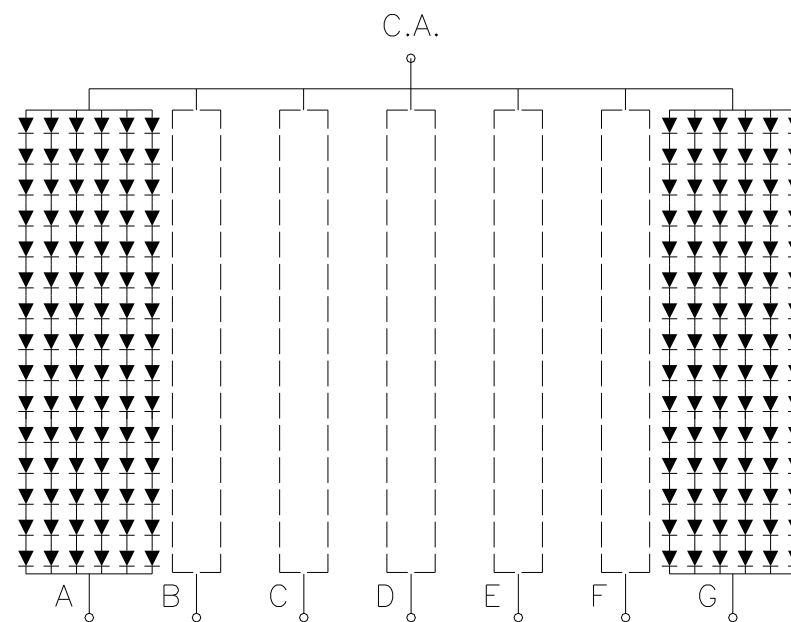
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PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM

Common Anode
NFD-160011Bx



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

Checked

Chen N.H.

Approved

Jason Chen

Date

Mar/21/2007

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