



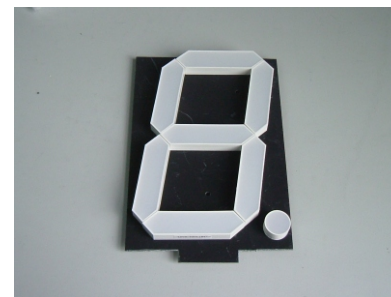
20.00"(500.00mm)Single Digit 7 Segment Display

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
- *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-200011BUHR-01	AlGaInP/GaAs Ultra Red	640	14.00(14.00)	25.00(25.00)	3780.00(840.00)	6300.00(1400.00)
	NFD-200011BUE-01	AlGaInP/GaAs Ultra Orange	632	14.00(14.00)	25.00(25.00)	3780.00(840.00)	6300.00(1400.00)
	NFD-200011BYO-01	AlGaInP/GaAs Ultra Amber	605	14.00(14.00)	25.00(25.00)	3780.00(840.00)	6300.00(1400.00)
	NFD-200011BUY-01	AlGaInP/GaAs Ultra Yellow	590	14.00(14.00)	25.00(25.00)	3780.00(840.00)	6300.00(1400.00)
	NFD-200011BUG-01	AlGaInP/GaAs Ultra Green	574	14.70(14.70)	25.00(25.00)	3150.00(700.00)	5040.00(1120.00)
	NFD-200011BPG-01	InGaN/SiC Pure Green	525	23.10(23.10)	26.60(26.60)	18900.00(3000.0)	25200.0(5600.00)
	NFD-200011BUB-01	InGaN/SiC Ultra Blue	470	23.10(23.10)	26.60(26.60)	5040.0(1120.0)	35280.0(7840.00)
	NFD-200011BUW-01	InGaN/SiC Ultra White	X-0.31/Y-0.31	23.10(23.10)	26.60(26.60)	25200.0(5600.0)	63000.0(14000.0)
Units			nm	V		mcd	

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

Characteristic	Test Condition	Symbol	UHR	UE	YO	UY	UG	PG	UB	UW	Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I _{FP}	100*18	100*18	100*18	100*18	100*18	100*18	100*18	100*18	mA
DC Forward Current Per Seg.		I _F	30*18	30*18	30*18	30*18	30*18	25*18	25*18	25*18	mA
Reverse Current Per Seg.	V _R =5V	I _R	10	10	10	10	10	10	10	10	μA
Power Dissipation		P _D	65*910	65*910	65*910	65*910	75*910	110*910	120*910	120*910	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

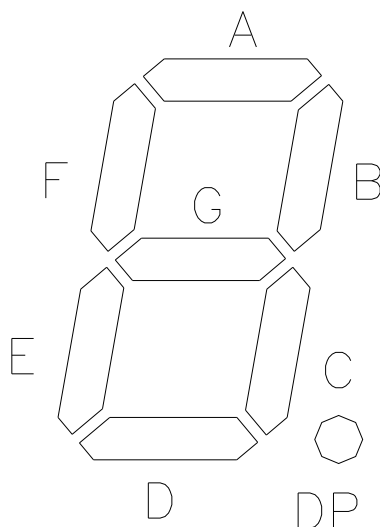
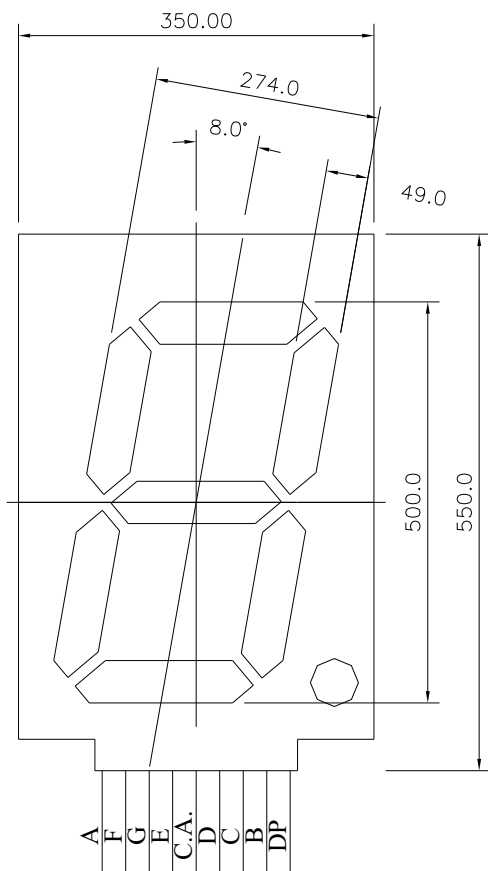
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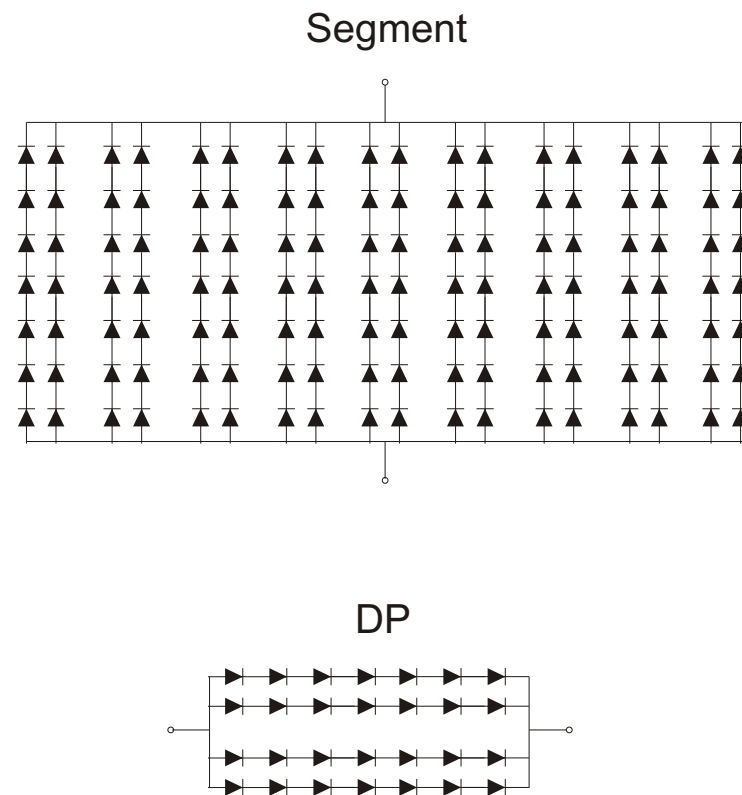


20.00"(500.00mm)Single Digit 7 Segment Display

PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



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

Checked

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