



8.00"(200.00mm) 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 Horizontal Segment	Part Number Vertical Segment	Emitting Color	Peak Wavelength	Forward Voltage V _F /Seg.(DP)		Luminous Intensity I _v /Seg.(DP)	
				Typ.	Max.	Min.	Typ.
NFD-80011BUHR-01-H	NFD-80011BUHR-01-V	AlGaInP/GaAs Ultra Red	640	14.00	17.50	1400.00	2100.00
NFD-80011BUE-01-H	NFD-80011BUE-01-V	AlGaInP/GaAs Ultra Orange	632	14.00	17.50	1400.00	2100.00
NFD-80011BYO-01-H	NFD-80011BYO-01-V	AlGaInP/GaAs Ultra Amber	605	14.00	17.50	1400.00	2100.00
NFD-80011BUY-01-H	NFD-80011BUY-01-V	AlGaInP/GaAs Ultra Yellow	590	14.00	17.50	1400.00	2100.00
NFD-80011BUG-01-H	NFD-80011BUG-01-V	AlGaInP/GaAs Ultra Green	574	14.70	17.50	875.00	1400.00
NFD-80011BPG-01-H	NFD-80011BPG-01-V	InGaN/SiC Pure Green	525	23.10	26.60	5250.00	7000.00
NFD-80011BUB-01-H	NFD-80011BUB-01-V	InGaN/SiC Ultra Blue	470	23.10	26.60	1400.00	3500.00
NFD-80011BUW-01-H	NFD-80011BUW-01-V	InGaN/SiC Ultra White	X-0.31/Y-0.31	23.10	26.60	7000.00	17500.00
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*5	100*5	100*5	100*5	100*5	100*5	100*5	100*5	mA
DC Forward Current Per Seg.		I _F	30*5	30*5	30*5	30*5	30*5	30*5	30*5	30*5	mA
Reverse Current Per Seg.	V _R =10V	I _R	10	10	10	10	10	10	10	10	μA
Power Dissipation		P _D	65*35	65*35	65*35	65*35	75*35	110*35	120*35	120*35	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

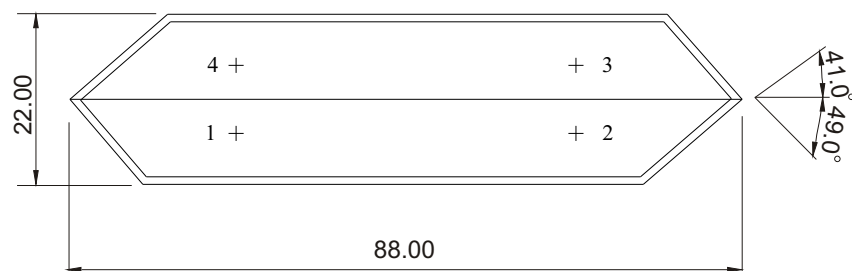
Mar/21/2007

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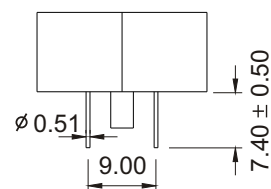
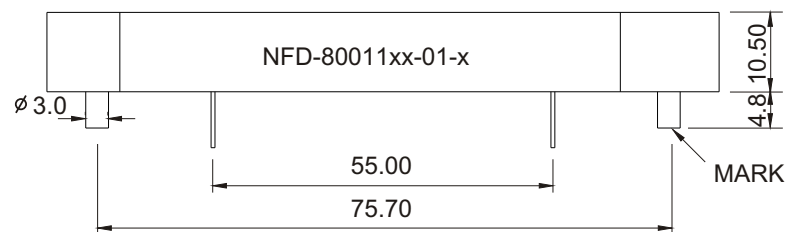


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PACKAGE DIMENSION

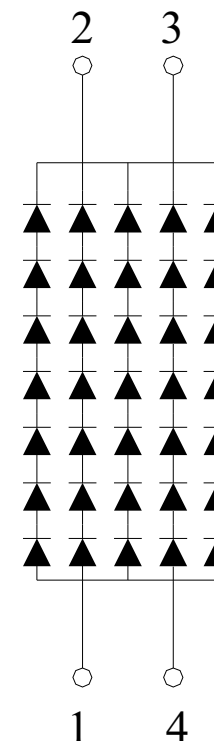


Mark:
Horizontal ○
Vertical ⊕



INTERNAL CIRCUIT DIAGRAM

Common Anode
NFD-80011Bx-H
NFD-80011Bx-V



Tolerance ± 0.25 mm unless stated

Checked

Chen N.H.

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