



## 6.00"(152.40mm) 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
- \*Low current version

### Electro/Optical Characteristics If=20\*2mA Ta=25°C

Part Number Horizontal Segment	Part Number Vertical Segment	Emitting Color	Peak Wavelength	Forward Voltage V <sub>F</sub> /Seg.		Luminous Intensity I <sub>v</sub> /Seg.	
				Typ.	Max.	Min.	Typ.
NFD-60011BUE-01-H	NFD-60011BUE-01-V	AlGaInP/GaAs Ultra Orange	632	14.00	17.50	560.00	840.00
NFD-60011BS-01-H	NFD-60011BS-01-V	GaAlAs/GaAs SH Hi-Red	660	12.60	15.40	112.00	168.00
NFD-60011BD-01-H	NFD-60011BD-01-V	GaAlAs/GaAs DH Super Red	660	12.60	15.40	308.00	392.00
NFD-60011BE-01-H	NFD-60011BE-01-V	GaAsP/GaP Orange	632	14.70	17.50	112.00	168.00
NFD-60011BY-01-H	NFD-60011BY-01-V	GaAsP/GaP Yellow	585	14.70	17.50	56.00	98.00
NFD-60011BG-01-H	NFD-60011BG-01-V	GaP/GaP Green	568	15.40	17.50	98.00	154.00
Units			nm	V		mcd	

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

Characteristic	Test Condition	Symbol	UE	S	D	E	Y	G	Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I <sub>FP</sub>	100*2	100*2	100*2	100*2	100*2	100*2	mA
DC Forward Current Per Seg.		I <sub>F</sub>	30*2	25*2	25*2	30*2	30*2	30*2	mA
Reverse Current Per Seg.	V <sub>R</sub> =10V	I <sub>R</sub>	10	10	10	10	10	10	μA
Power Dissipation		P <sub>D</sub>	65*14	60*14	60*14	80*14	80*14	80*14	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

Checked

Chen N.H.

Approved

Jason Chen

Date

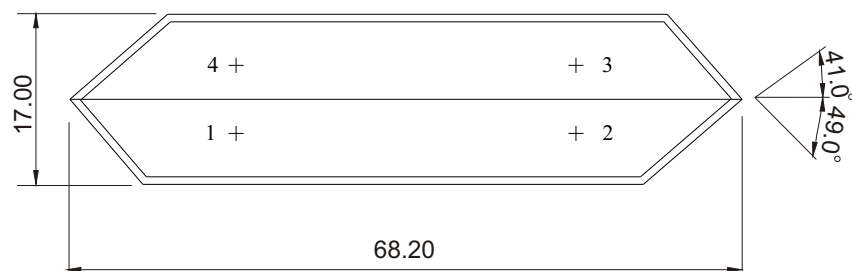
Sep/04/2006

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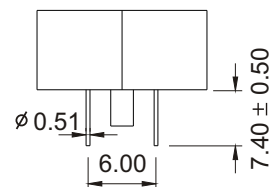
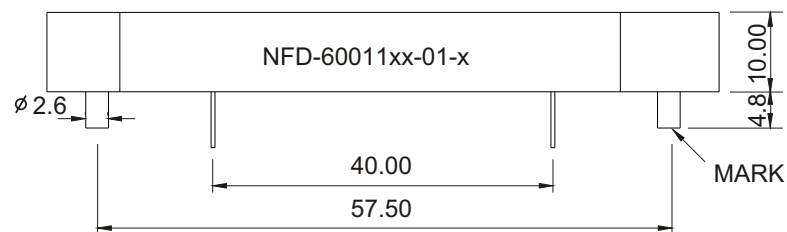


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### PACKAGE DIMENSION

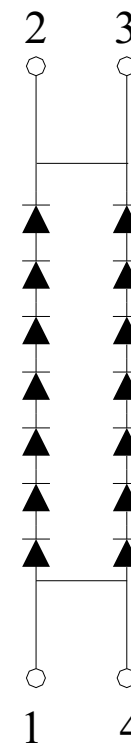


Mark:  
Horizontal ○  
Vertical ⊕



### INTERNAL CIRCUIT DIAGRAM

Common Anode  
NFD-60011Bx-H  
NFD-60011Bx-V



Tolerance  $\pm 0.25$ mm unless stated

Checked

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