



宁波飞扬电子有限公司

Ningbo Flying Electronics Co.,Ltd.

4.00"(101.60mm)Single Digit 7 Segment Display

Features:

- *High segment intensity
- *Wide viewing angle
- *Range of colours
- *Black face Red segment
- *Rohs compliant

Available option:

- *Available emitting colour
- *Available Segment colour
- *Low current version

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

Part Number Common Cathode	Part Number Common Anode	Emitting Colors	Peak Wavelength	Forward Voltage VF/Seg.		Luminous Intensity Iv/seg.	
				Typical	Max.	Min.	Typical
NFD-40011AS-12	NFD-40011BS-12	GaAlAs/GaAs SH Hi-Red	660	9.00	11.00	40.00	60.00
NFD-40011AD-12	NFD-40011BD-12	GaAlAs/GaAs DH Super Red	660	9.00	11.00	110.00	140.00
NFD-40011AE-12	NFD-40011BE-12	GaAsP/GaP Orange	632	10.50	12.50	40.00	60.00
NFD-40011AY-21	NFD-40011BY-21	GaAsP/GaP Yellow	585	10.50	12.50	20.00	35.00
NFD-40011AG-21	NFD-40011BG-21	GaP/GaP Green	568	11.00	12.50	35.00	55.00
Units			nm	V		mcd	

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

Characteristic	Test Condition	Symbol		Hi-Red	Super Red	Orange	Yellow	Green	Units
Pulse Forward Current Per Seg.	1/10 duty cycle 0.1ms Pulse width	I _{FP}		100	100	100	100	100	mA
DC Forward Current Per Seg.		I _F		25	25	30	30	30	mA
Reverse Current Per Seg.	V _r =10V	I _R		10	10	10	10	10	μA
Power Dissipature		P _D		60*36	60*36	80*36	80*36	80*36	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

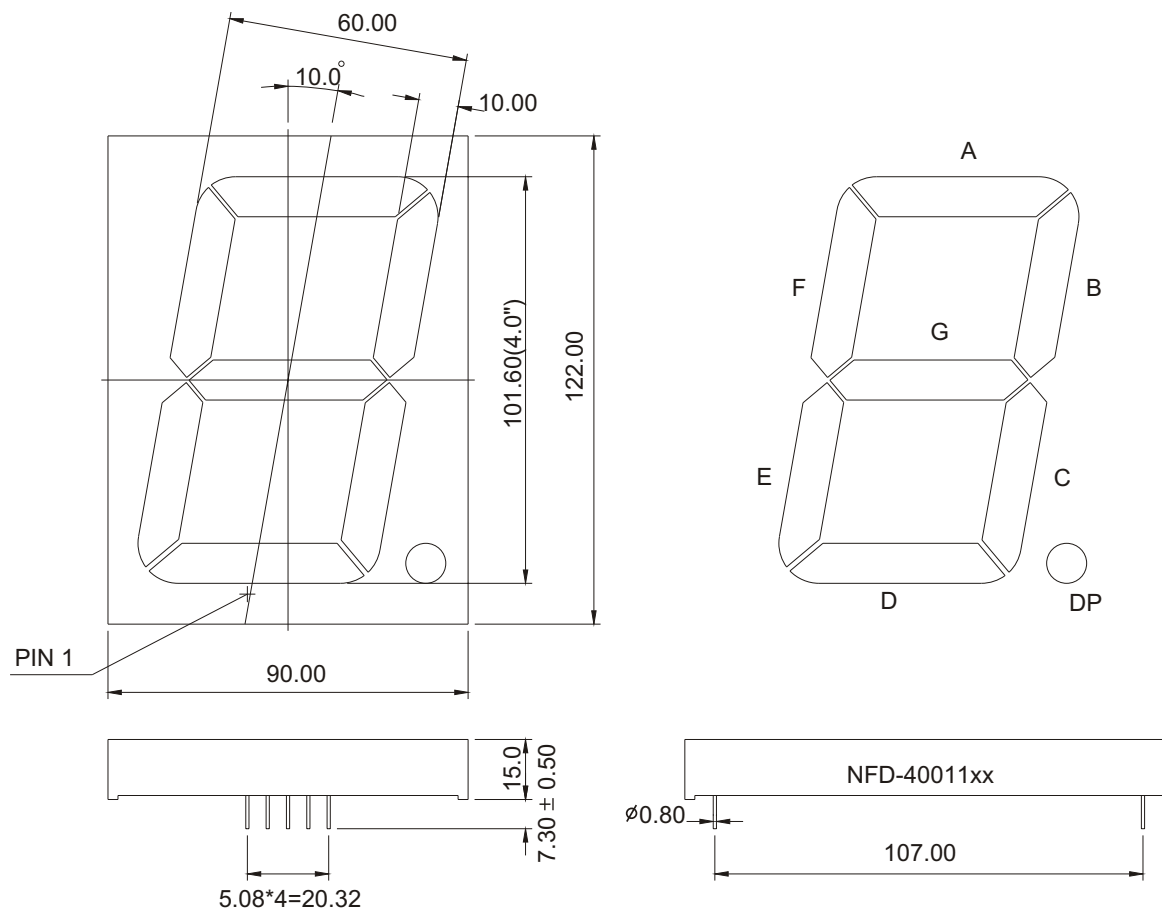
2006/09/19

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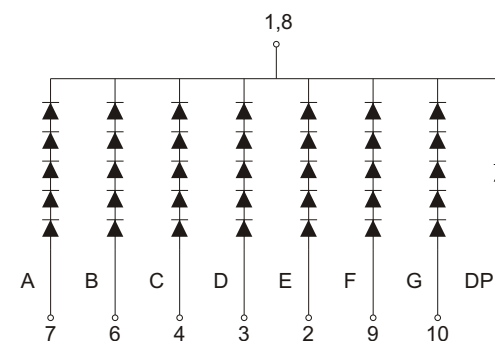
PACKAGE DIMENSION



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

INTERNAL CIRCUIT DIAGRAM

Common Cathode
NFD-40011Ax



Common Anode
NFD-40011Bx

