

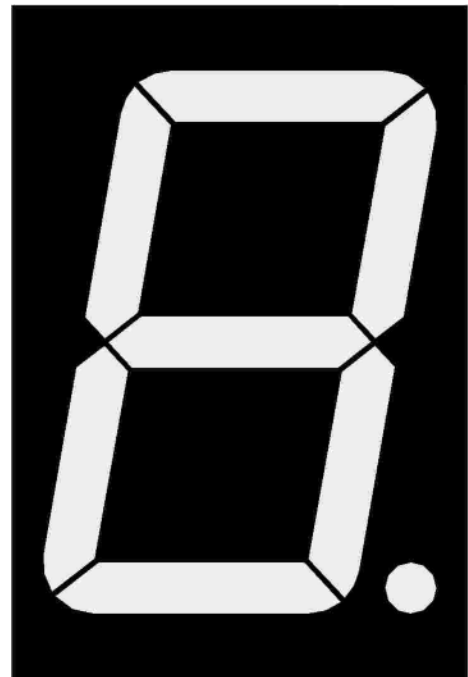
FN1-180XW4SM00BW Range

1.8" (46 mm) Single Digit White 7 Segment Display



Features:

- High intensity white LED display
- Black face for maximum contrast
- White diffused segment in off-state
- Ideal for use in applications requiring the display of high definition numeric digits:
 - ❑ Industrial instrumentation
 - ❑ Domestic appliances
 - ❑ Digital clocks



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Electro / Optical Characteristics $I_F = 20\text{mA}$, $T_a = 25^\circ\text{C}$

Part Number		Emitting Colour	Chromaticity Coordinates		Forward Voltage		Luminous Intensity, I_v	
Common Cathode	Common Anode		x	y	Typ	Max	Min	Typ
FN1-1801W4SM00BW ♦	FN1-1802W4SM00BW ♦	White	0.30	0.30	9.60	11.10	~	1970
Units					V		mcd / seg	

♦ Available from Farnell/element14

Maximum Rated Values $T_a = 25^\circ\text{C}$ (Derate Above 25°C)

Characteristic	Condition	Symbol	Rating	Units
Pulse Forward Current	0.1 duty cycle @ 1kHz	I_{FP}	100	mA
DC Forward Current		I_F	25	mA
Reverse Voltage	$I_R = 10\mu\text{A}$	V_R	5	V
Operating Temperature		T_{opr}	-25 to +80	$^\circ\text{C}$
Storage Temperature		T_{stg}	-30 to +85	$^\circ\text{C}$
Lead Soldering Temperature	1.6mm from body - max 3 seconds		260	$^\circ\text{C}$

Note

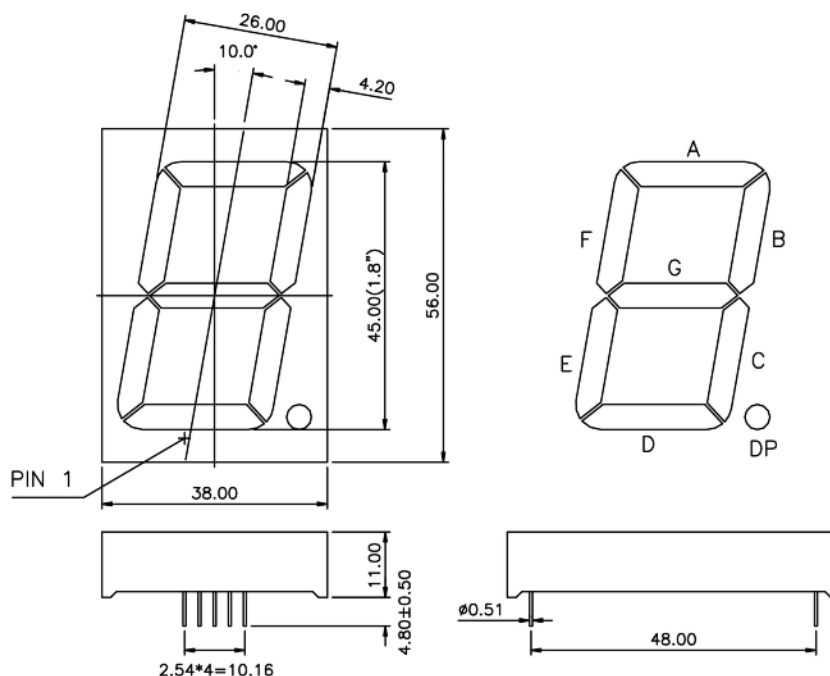
Industry standard procedures regarding static must be observed when handling white LED displays as they are produced using blue die material.

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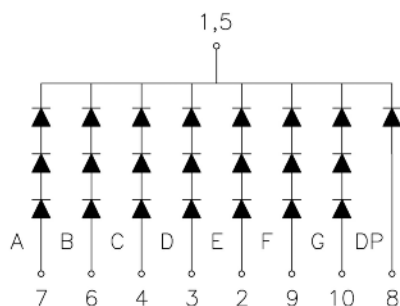


Package Outline and Diagrams

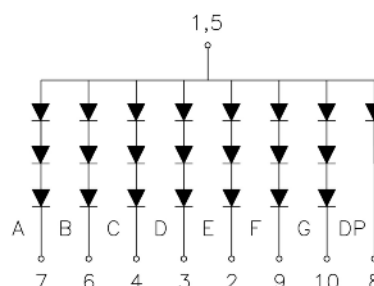


Tolerance ± 0.25 mm unless stated

Common Cathode



Common Anode



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