

FN1-056XX0SGW Range

0.56" (14.2 mm) Single Digit 7 Segment Display



Features:

- High segment intensity
- Range of colours
- Grey face colour
- White diffused segment in off-state
- Ideal for use in applications requiring the display of high definition numeric digits:
 - ☐ Audio equipment
 - ☐ Domestic appliances
 - ☐ Digital clocks



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

Part No.		Emitting Colour	Wavelength		Forward Voltage		Luminous Intensity, I_v	
Common Cathode	Common Anode		Peak	Dom.	Typ.	Max.	Min.	Typ.
FN1-0561R340SGW	FN1-0562R340SGW	Red	-	640	1.90	2.30	-	30
FN1-056120SGW	FN1-056220SGW	Green	568	-	2.10	2.50	-	11
FN1-0561Y0530SGW	FN1-0562Y0530SGW	Yellow	591	-	2.05	2.40	-	37
FN1-0561B350SGW	FN1-0562B350SGW	Blue	-	460	3.30	3.70	-	15
FN1-0561B230SGW	FN1-0562B230SGW	Blue	-	470	3.20	3.70	-	20
FN1-0561B380SGW	FN1-0562B380SGW	Blue	-	467.5 - 470	2.70	2.80	95	110
Units			nm		V		mcd / seg	

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

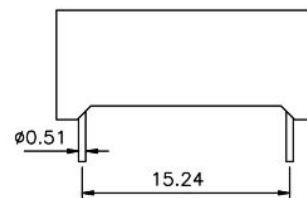
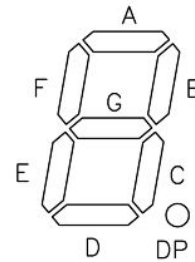
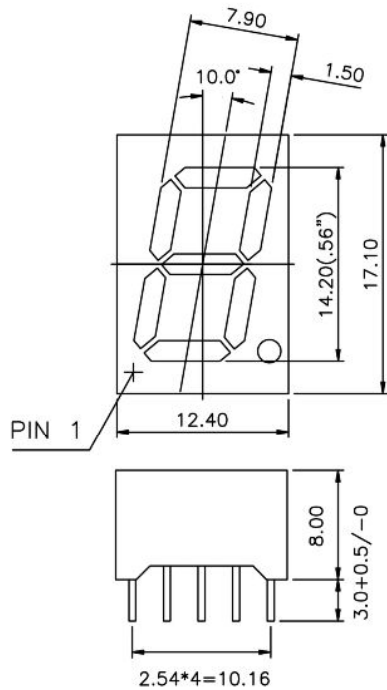
Industry standard procedures regarding static must be observed when handling product produced with blue die material.

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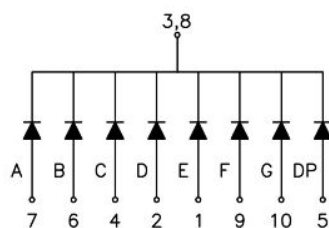


Package Outline and Diagrams

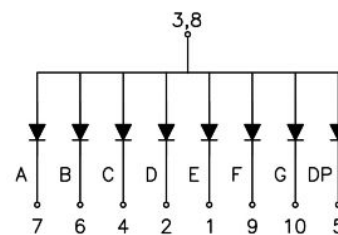


Tolerance ± 0.25 mm unless stated

Common Cathode



Common Anode



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