

## Features:

- High segment intensity
- Wide viewing angle
- Range of colours
- Grey face colour
- White segment colour

## Available options:

- Alternative face and segment colour
- Alternative font
- Long terminal pins
- Alternative emitting colour
- Low current version

## Font design

Product not shown  
actual size



◆ Also available from **Farnell**

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

Part Number Common Cathode	Part Number Common Anode	Emitting Colour	Wavelength	Forward Voltage $V_F$		Luminous Intensity $I_V$	
				typical	max	min	typical
FN1-0801L0SGW	FN1-0802L0SGW	GaAlAs Red	660 Peak	1.85	2.00	-	28
FN1-080130SGW	FN1-080230SGW	HE Red	640 Peak	2.05	2.50	-	7
FN1-0801Y0530SGW	FN1-0802Y0530SGW	Yellow	591 Peak	2.05	2.40	-	42
FN1-080120SGW	FN1-080220SGW	Green	568 Peak	2.10	2.50	-	13
FN1-0801B230SGW ◆	FN1-0802B230SGW ◆	Blue	470 Dominant	3.20	3.70	-	28
FN1-0801B220SGW ◆	FN1-0802B220SGW ◆	Blue	460 Dominant	3.20	3.70	-	28
Units			nm	V		mcd / seg. (digit average)	

## Maximum Ratings $T_a = 25^\circ \text{ C}$ - Derate above $25^\circ \text{ C}$

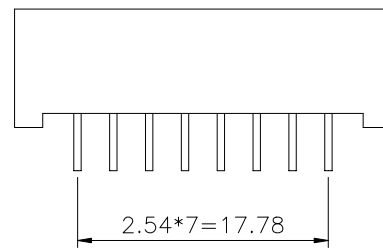
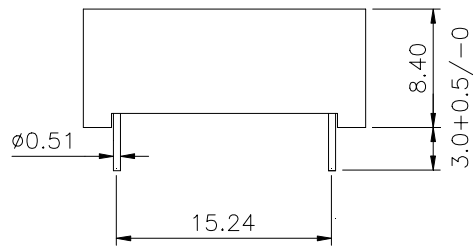
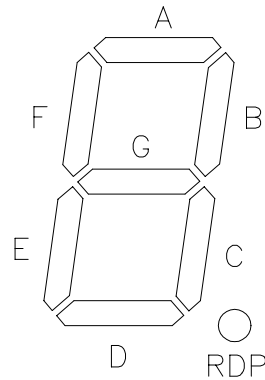
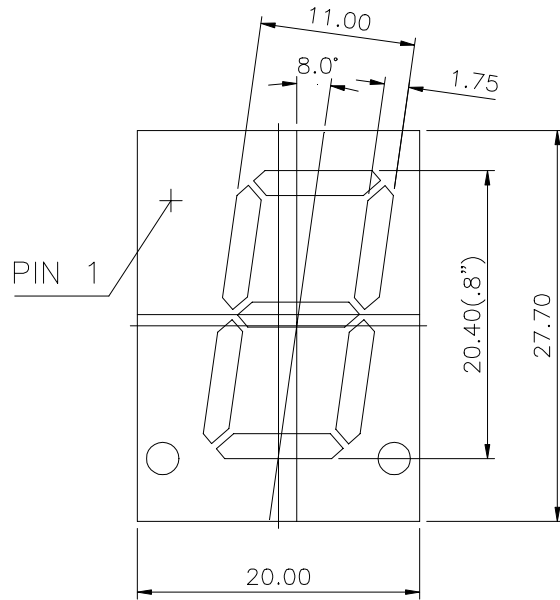
Characteristic	Condition	Symbol	Rating	Units
Pulse Forward Current	0.1 duty cycle @ 1KHz	$I_{FP}$	100	mA
DC Forward Current		$I_F$	25	mA
Reverse Voltage	$I_R = 10 \mu\text{A}$	$V_R$	5	V
Operating Temperature		$T_{opr}$	- 25 to + 80	$^\circ \text{ C}$
Storage Temperature		$T_{stg}$	- 30 to + 85	$^\circ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

## Note

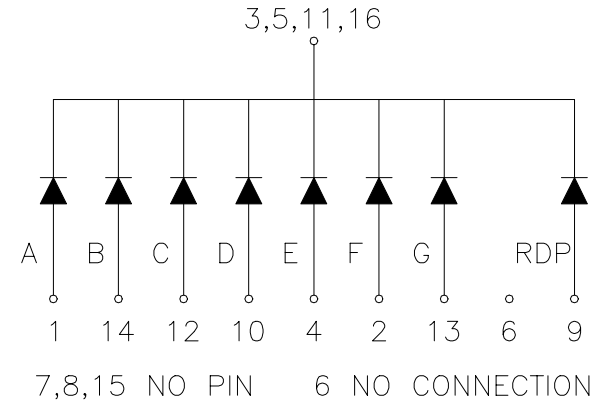
Industry standard procedures regarding static must be observed when handling product produced with blue die material.

It is the responsibility of the customer to verify the suitability of the product for the application.

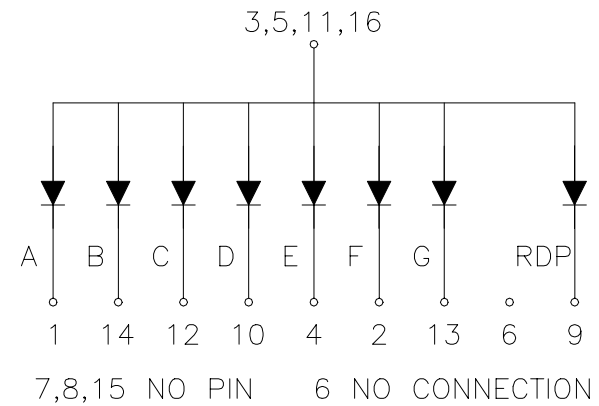
## Package Outline



## Common Cathode



## Common Anode



Tolerance  $\pm 0.25$  mm unless stated