

## 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 - $I_F = 20 \text{ mA}$ ( \* HE Blue - $I_F = 10 \text{ mA}$ ) $T_a = 25^\circ \text{ C}$

Part Number Common Cathode	Part Number Common Anode	Emitting Colour	Wavelength Peak $\lambda_p$	Forward Voltage $V_F$		Luminous Intensity $I_V$	
				typical	max	min	typical
FN1-0801L0SGW	FN1-0802L0SGW	GaAlAs Red	660	1.85	2.00	-	28
FN1-080130SGW	FN1-080230SGW	HE Red	640	2.05	2.50	-	7
FN1-0801Y0530SGW	FN1-0802Y0530SGW	Yellow	591	2.05	2.40	-	42
FN1-080120SGW	FN1-080220SGW	Green	568	2.10	2.50	-	13
FN1-0801B050SGW ◆	FN1-0802B050SGW ◆	* HE Blue	465	3.70	4.00	-	9
FN1-0801B010SGW ◆	FN1-0802B010SGW ◆	Blue	428	3.80	4.50	-	6
Units			nm	V		mcd / seg. (digit average)	

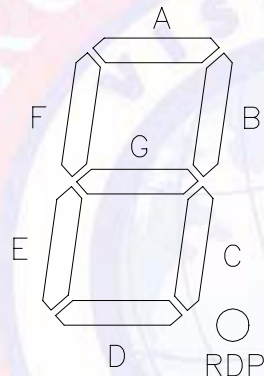
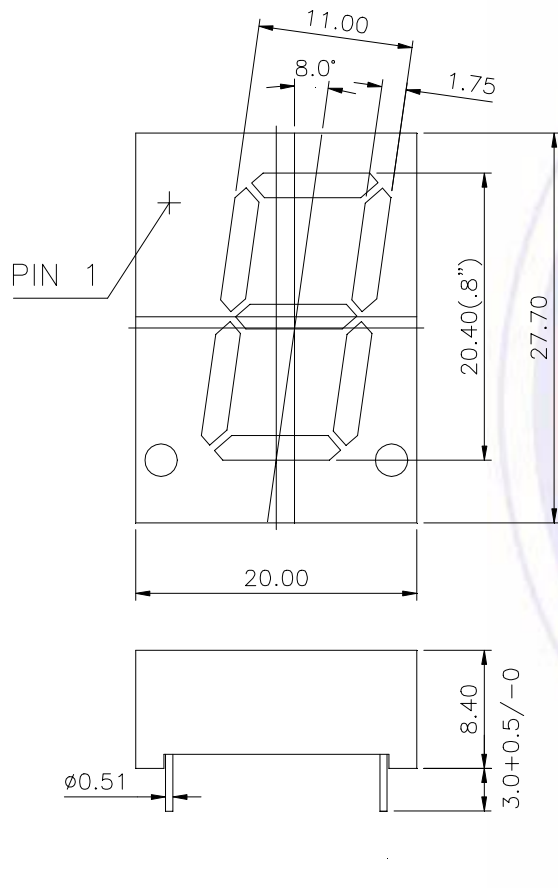
## Maximum Ratings $T_a = 25^\circ \text{ C}$ - Derate above $25^\circ \text{ C}$

Characteristic	Condition	Symbol	Rating	Units
Pulse Forward Current	0.1 duty cycle @ 1KHz ( HE Blue )	$I_{FP}$	100 (35)	mA
DC Forward Current	( HE Blue )	$I_F$	25 (15)	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	$^\circ \text{ C}$

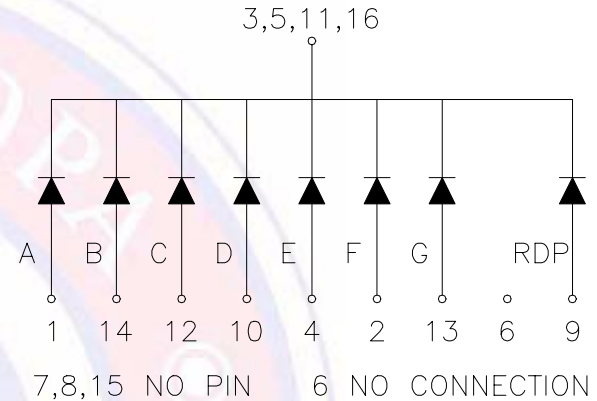
## Note

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

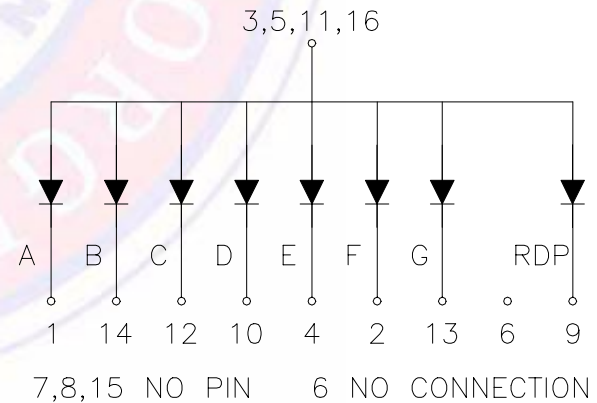
## Package Outline



## Common Cathode



## Common Anode



Tolerance  $\pm 0.25$  mm unless stated