

## Features:

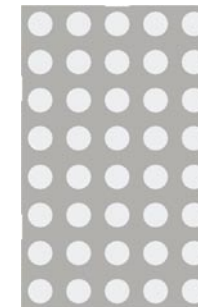
- High dot intensity
- Wide viewing angle
- Range of colours
- Grey face colour
- White dot colour

## Available options:

- Alternative face and dot colour
- Cropped terminal pins
- Alternative emitting colour
- Low current version

## Dot layout

Product not shown  
actual size



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

Part Number Column Cathode	Part Number Column Anode	Emitting Colour	Wavelength Peak $\lambda_p$	Forward Voltage $V_F$		Luminous Intensity $I_V$	
				typical	max	min	typical
FND-10581L00GW	FND-10582L00GW	GaAlAs Red	660	3.70	4.00		105
FND-10581300GW	FND-10582300GW	HE Red	640	4.10	5.00		24
FND-10581Y05300GW	FND-10582Y05300GW	Yellow	591	4.10	4.80		140
FND-10581200GW	FND-10582200GW	Green	568	4.20	5.00		47
FND-10581B0500GW	FND-10582B0500GW	* HE Blue	465	7.40	8.00		30
FND-10581B0100GW	FND-10582B0100GW	Blue	428	7.60	9.00		19
Units			nm	V		mcd / dot (matrix average)	

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

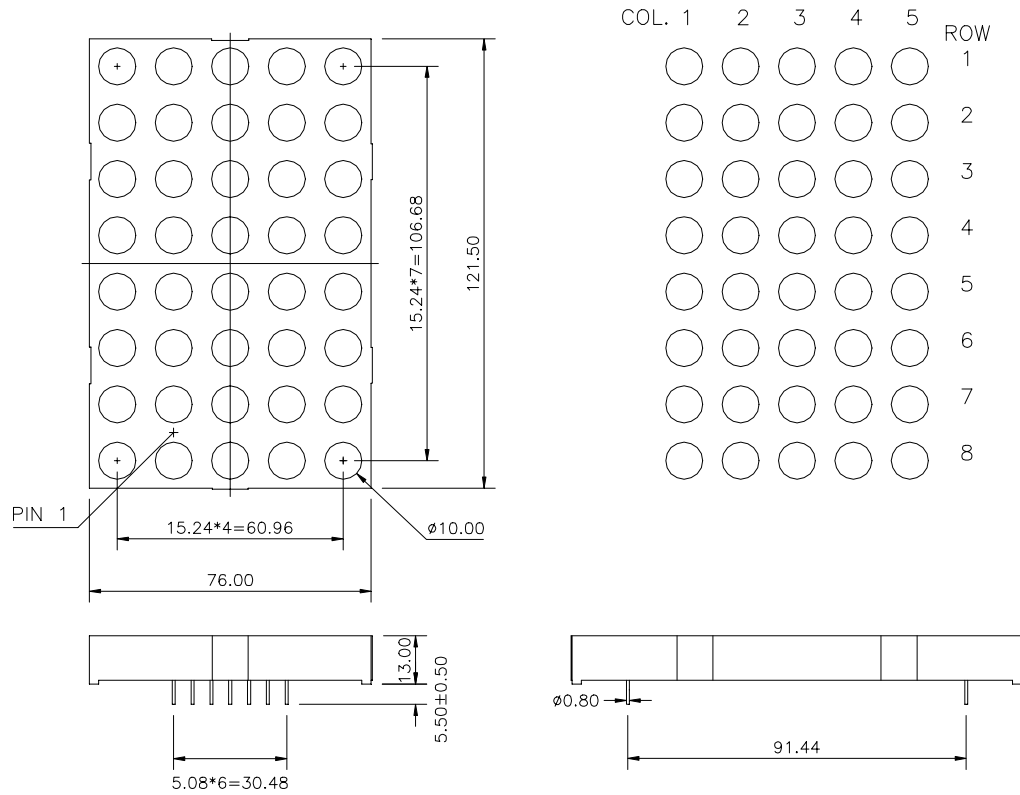
Characteristic	Condition	Symbol	Rating	Units
Pulse Forward Current	0.1 duty cycle @ 1KHz ( HE Blue )	$I_{FP}$	100 (35)	mA
DC Forward Current	( HE Blue )	$I_F$	25 (15)	mA
Reverse Voltage	$I_R = 10 \mu\text{A}$	$V_R$	5	V
Operating Temperature		$T_{opr}$	- 25 to + 80	$^\circ \text{ C}$
Storage Temperature		$T_{stg}$	- 30 to + 85	$^\circ \text{ C}$
Lead soldering temperature	1.6 mm from body - max 3 seconds		260	$^\circ \text{ C}$

## Note

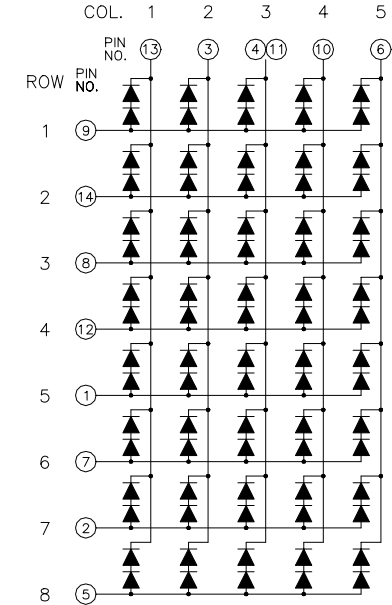
Industry standard procedures regarding static must be observed when handling product produced with blue die material.



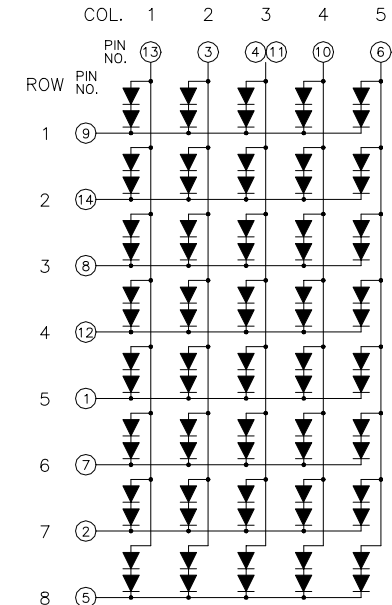
## Package Outline



## Column Cathode



## Column Anode



Tolerance  $\pm 0.25$  mm unless stated



Forge Limited The Old Railway, Princes Street, Ulverston, Cumbria, LA12 7NQ United Kingdom.  
Tel: +44 (0)1229 580000. Email: info@forge-europa.co.uk Website: www.forge-europa.co.uk

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