

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 λ_P	Forward Voltage V_F		Luminous Intensity I_V	
				typical	max	min	typical
FND-5581L0BGW	FND-5582L0BGW	GaAlAs Red	660	1.85	2.00		48
FND-558130BGW	FND-558230BGW	HE Red	640	2.05	2.50		12
FND-5581Y0530BGW	FND-5582Y0530BGW	Yellow	591	2.05	2.40		72
FND-558120BGW	FND-558220BGW	Green	568	2.10	2.50		24
FND-5581B050BGW	FND-5582B050BGW	* HE Blue	465	3.70	4.00		16
FND-5581B010BGW	FND-5582B010BGW	Blue	428	3.80	4.50		10
Units			nm	V		mcd / dot (matrix average)	

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

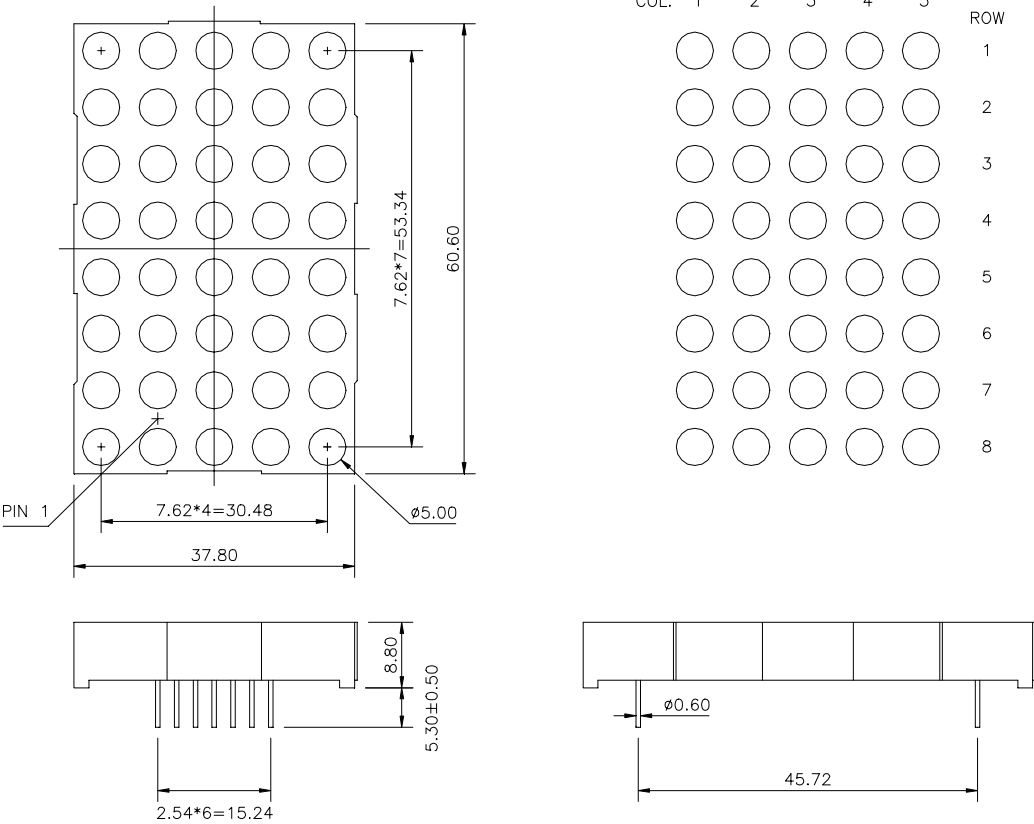
Characteristic	Condition	Symbol	Rating	Units
Pulse Forward Current	0.1 duty cycle @ 1KHz (HE Blue)	I_{FP}	100 (35)	mA
DC Forward Current	(HE Blue)	I_F	25 (15)	mA
Reverse Voltage	$I_R = 10 \mu\text{A}$	V_R	5	V
Operating Temperature		T_{opr}	- 25 to + 80	$^\circ \text{ C}$
Storage Temperature		T_{stg}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

Note

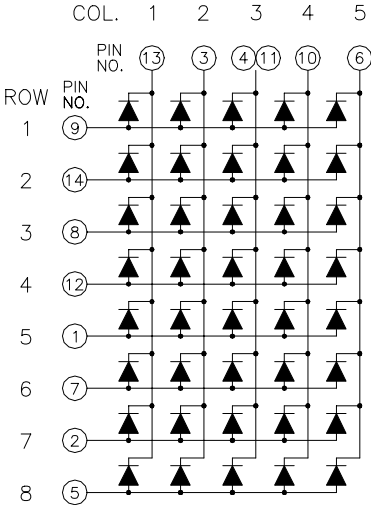
Industry standard procedures regarding static must be observed when handling product produced with blue die material.



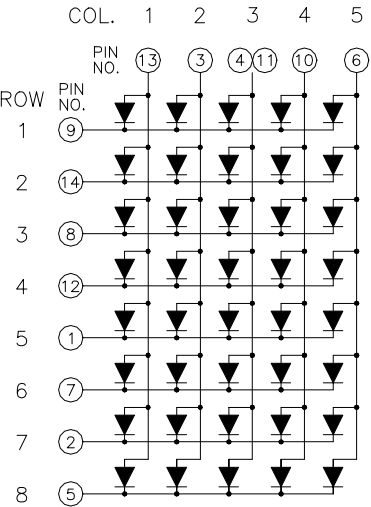
Package Outline



Column Cathode



Column Anode



Tolerance ± 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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