

## Features:

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

## Available options:

- Alternative face colour: black
- Cropped terminal pins
- Alternative emitting colour
- Low current version
- Product can be supplied with die positions reversed

## Dot layout

Product not shown  
actual size



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

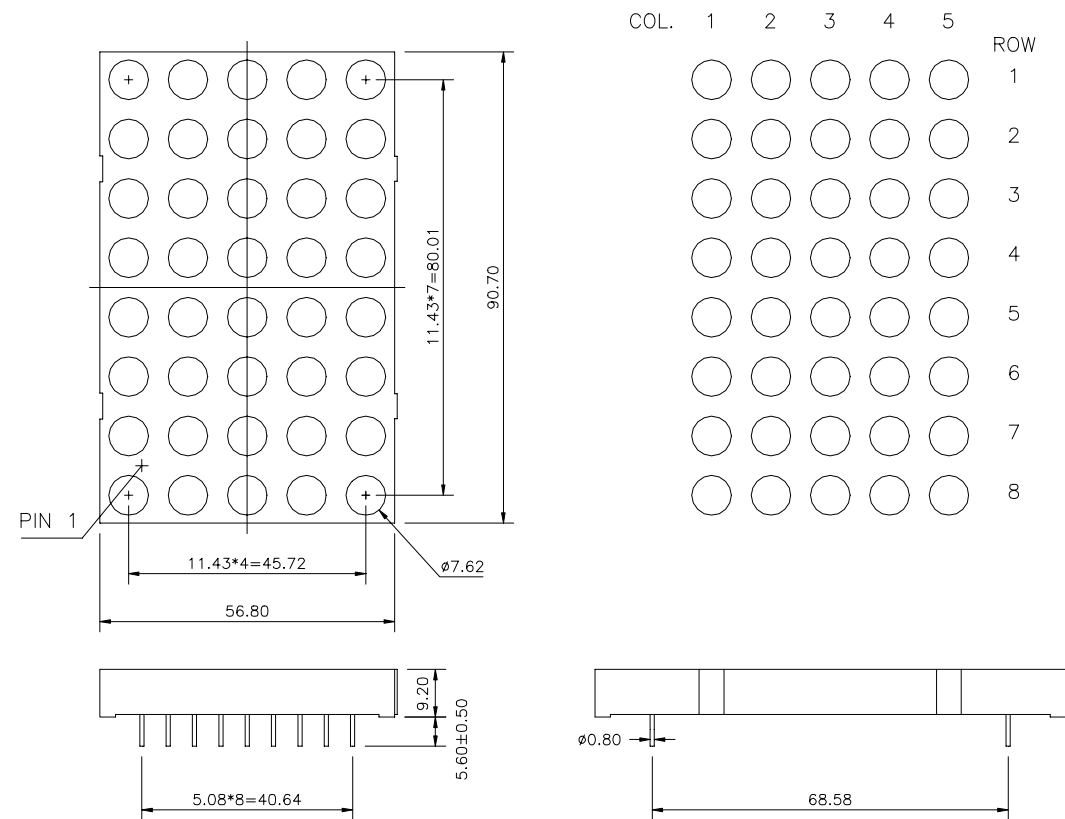
Part Number Column Cathode	Part Number Column Anode	Emitting Colours	Wavelength Peak $\lambda_p$	Forward Voltage $V_F$		Luminous Intensity $I_V$	
				typical	max	min	typical
FND-7581LG0440GW	FND-7582LG0440GW	GaAlAs Red	660	3.70	4.00	-	72
		HE Green	573	4.10	4.80	-	90
FND-7581320GW	FND-7582320GW	HE Red	640	4.10	5.00	-	18
		Green	568	4.20	5.00	-	36
Units			nm	V		mcd / dot (matrix average)	

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

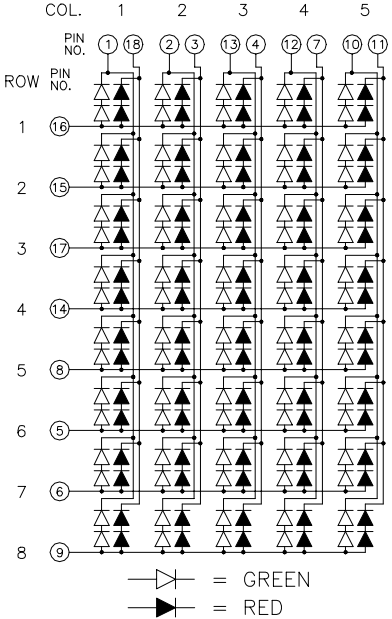
Characteristic	Condition	Symbol	Rating	Units
Pulse Forward Current	0.1 duty cycle 0.1 ms pulse width	$I_{FP}$	100	mA
DC Forward Current		$I_F$	25	mA
Reverse Voltage	$I_R = 10 \mu\text{A}$	$V_R$	5	V
Operating Temperature		$T_{opr}$	- 25 to + 80	$^\circ \text{C}$
Storage Temperature		$T_{stg}$	- 30 to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



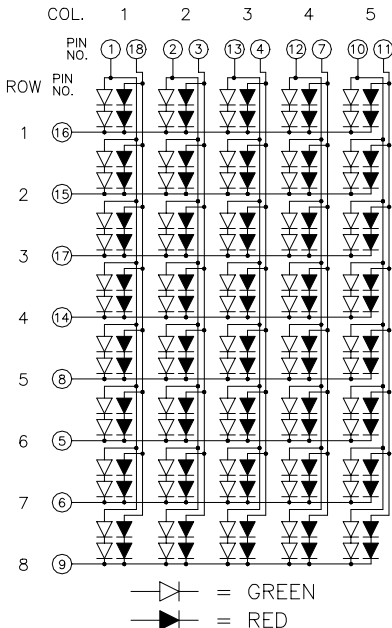
Package Outline



Column Cathode



Column Anode



Tolerance ± 0.25 mm unless stated



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