

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 - $I_F = 20 \text{ mA}$ $T_a = 25^\circ \text{ C}$

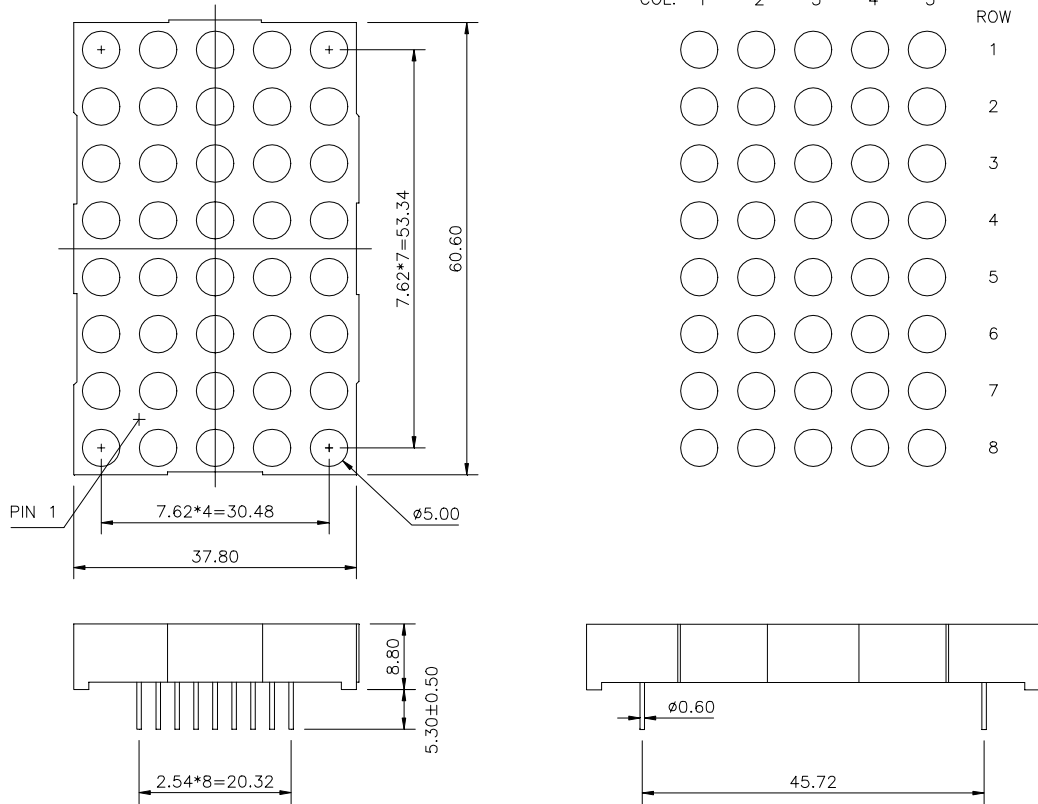
Part Number Column Cathode	Part Number Column Anode	Emitting Colours	Wavelength Peak λ_P	Forward Voltage V_F		Luminous Intensity I_V	
				typical	max	min	typical
FND-5581LG0440GW	FND-5582LG0440GW	GaAlAs Red	660	1.85	2.00	-	48
		HE Green	573	2.05	2.40	-	58
FND-5581320GW	FND-5582320GW	HE Red	640	2.05	2.50	-	12
		Green	568	2.10	2.50	-	24
Units			nm	V		mcd / dot (matrix average)	

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

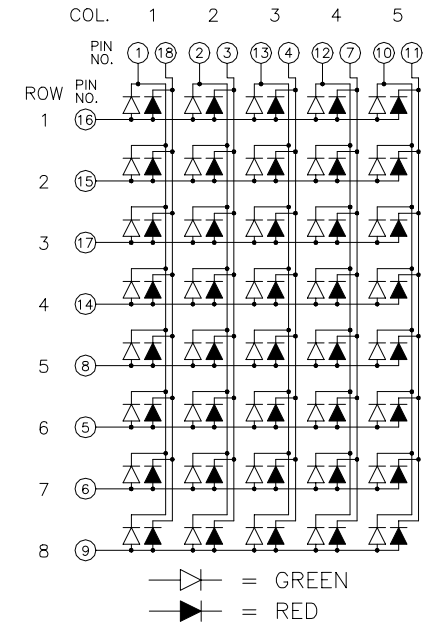
Characteristic	Condition	Symbol	Rating	Units
Pulse Forward Current	0.1 duty cycle 0.1 ms pulse width	I_{FP}	100	mA
DC Forward Current		I_F	25	mA
Reverse Voltage	$I_R = 10 \mu\text{A}$	V_R	5	V
Operating Temperature		T_{opr}	- 25 to + 80	$^\circ \text{C}$
Storage Temperature		T_{stg}	- 30 to + 85	$^\circ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



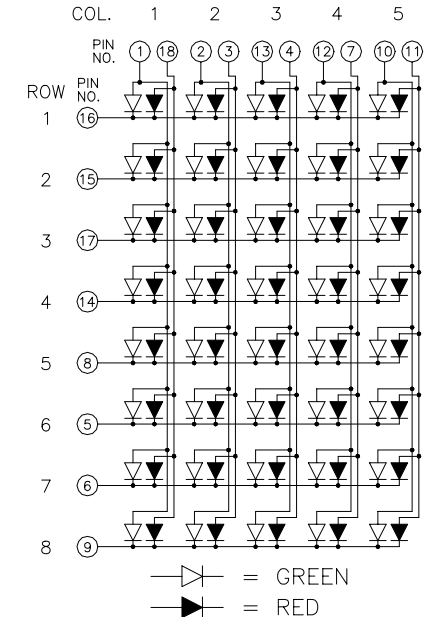
Package Outline



Column Cathode



Column Anode



Tolerance ± 0.25 mm unless stated



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