

Features:

- High intensity
- Wide viewing angle
- Range of colours
- White diffused epoxy

Available options:

- Cropped terminal pins
- Alternative emitting colour
- Low current version

Segment 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 Common Cathode / Anode	Industry Standard Reference	Emitting Colour	Wavelength Peak λ_P	Forward Voltage V_F		Luminous Intensity I_V	
				typical	max	min	typical
FNG-1002053L001GW	J100	GaAlAs Red	660	1.85	2.00		
FNG-10020533001GW	4830	HE Red	640	2.05	2.50		
FNG-1002053Y053001GW	4840	Yellow	591	2.05	2.40		
FNG-10020532001GW	4850	Green	568	2.10	2.50		
FNG-1002053B05001GW		* HE Blue	465	3.70	4.00		
FNG-1002053B01001GW		Blue	428	3.80	4.50		
Units			nm	V		mcd / m^2	

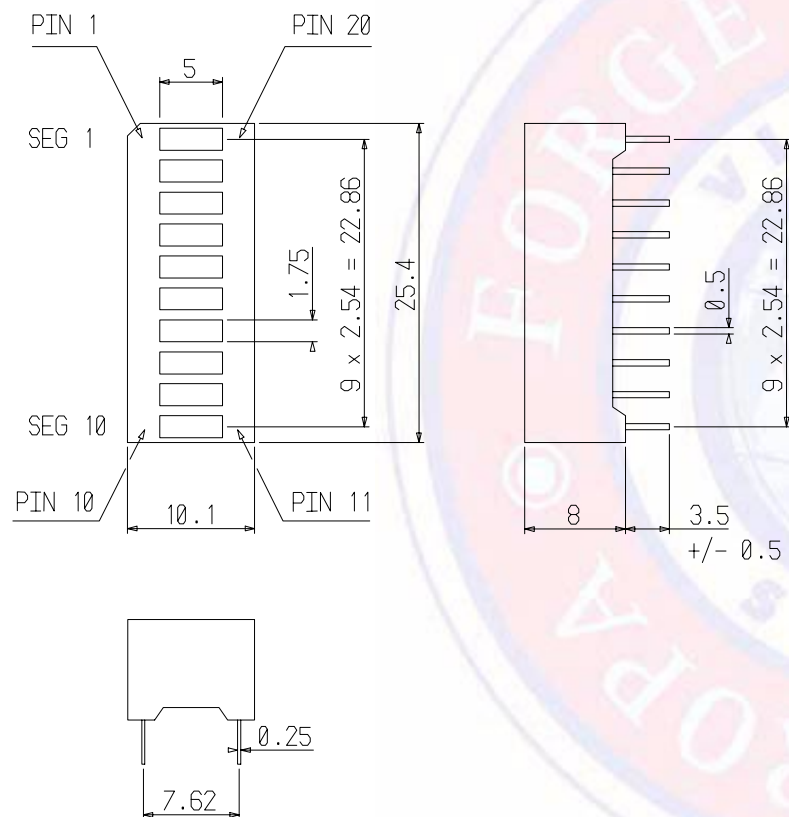
Maximum Ratings $T_a = 25^\circ \text{ C}$ (Derate above 25° C)

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	$^\circ \text{C}$

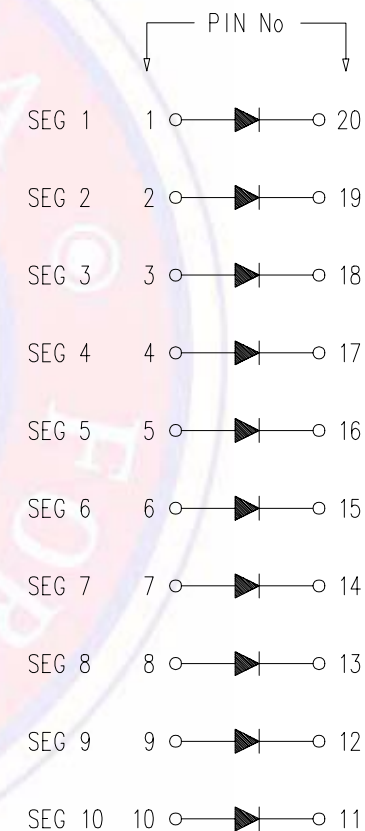
Note

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

Package Outline



Connection Diagram



Tolerance ± 0.25 mm unless stated