

Features:

- High segment intensity
- Extra wide viewing angle - almost 180° 'actual' viewing
- Single or multiple digit modules by interlocking
- Lightweight - less than 0.5 kg

- Very thin in cross section - 15 mm depth
- Interlock dovetails have a light friction fit between units for ease of assembly
- Grey face colour, White segment colour
- Low power consumption
- Characters can be viewed from distances up to 150 metres

Font design

Product not shown
actual size



Electro / Optical Characteristics - $I_F = 80 \text{ mA/segment } 20 \text{ mA DP}$ (*B05 & G05 $I_F = 40 \text{ mA/segment } 10 \text{ mA DP}$) $T_a = 25^\circ \text{ C}$

Part Number - Common Cathode		Part Number - Common Anode		Emitting Colour	Wavelength Peak λ_p	Forward Voltage V_F		Luminous Intensity I_V	
Farnell	Forge Europa	Farnell	Forge Europa			typical	max	min	typical
366-5320	FEM-7901R0300GW	366-5331	FEM-7902R0300GW	GaAlAs Red	660	10.50	12.50	-	144
366-5343	FEM-7901R0100GW	366-5355	FEM-7902R0100GW	GaAlAs Red	660	9.25	10.00	-	96
366-5367	FEM-7901G0100GW	366-5379	FEM-7902G0100GW	Green	568	10.50	12.50	-	48
366-5380	FEM-7901G0500GW	366-5392	FEM-7902G0500GW	* HE Green	518	16.50	18.50	-	144
366-5409	FEM-7901B0500GW	366-5410	FEM-7902B0500GW	* HE Blue	465	16.50	18.50	-	96
Units					nm	V		mcd per segment	

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 (B05 & G05)	I_{FP}	400 (140)	mA
DC Forward Current	(B05 & G05)	I_F	100 (60)	mA
Reverse Voltage	$I_R = 100 \mu\text{A}$	V_R	20	V
Power Dissipation		P_D	340	mW
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	$^\circ \text{ C}$

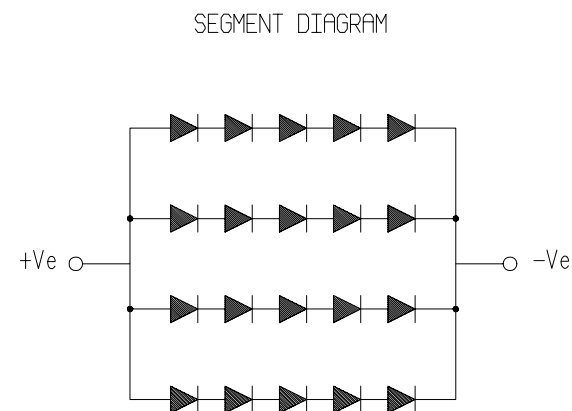
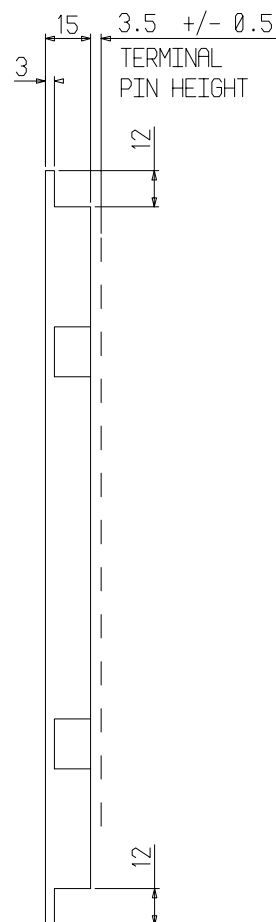
Note

Industry standard procedures regarding static must be observed when handling product produced with blue and green (518nm) die material.

Technical drawing of a 7-segment display with dimensions and tolerances:

- Overall Dimensions:**
 - Height: 250
 - Width: 175
- Segment Dimensions:**
 - Segment Width: 18
 - Digit Height: 200
- Segment Spacing:**
 - Segment Width: 125
 - Segment Height: 120
- Mounting Holes:**
 - 4 HOLES 4.5 DIA
 - 125 DIGIT WIDTH
- Angle:**
 - 85°
- Tolerance:**
 - GEN TOL +/- 0.25

Tolerance
± 0.25 mm unless stated



NOTE
EACH SEGMENT AND THE DP HAS
2 - 0.6 SQ TERMINALS (REAR CENTRE)