

FEM-790HXX00GW Range 7.9" (200 mm) High Performance Interlocking 7 segment with DP

Features:

- Outdoor performance segment
- Extra wide viewing angle
- Single or multiple digit modules by interlocking
- Lightweight
- Grey face colour, White segment colour

Font design

Product not shown
actual size



Electro / Optical Characteristics $I_F = 60 \text{ mA / segment}$ 20 mA DP $T_a = 25^\circ \text{ C}$

| Part Number Common Cathode | Part Number Common Anode | Emitting Colour | Wavelength Peak λ_p | Segment Fwd Voltage V_F | | Luminous Intensity I_V | |
|-------------------------------|-----------------------------|-----------------|--------------------------------|---------------------------|------|----------------------------|---------|
| | | | | typical | max | min | typical |
| FEM-790H1R07600GW | FEM-790H2R07600GW | Red | 632 | 22.00 | 26.4 | - | 3700 |
| FEM-790H1Y04600GW | FEM-790H2Y04600GW | Yellow | 591 | 22.00 | 26.4 | - | 3700 |
| FEM-790H1Y10900GW | FEM-790H2Y10900GW | Yellow | 587 | 22.00 | 26.4 | - | 5400 |
| | | | | | | | |
| | | | | | | | |
| Units | | | nm | V | | mcd / seg. (digit average) | |

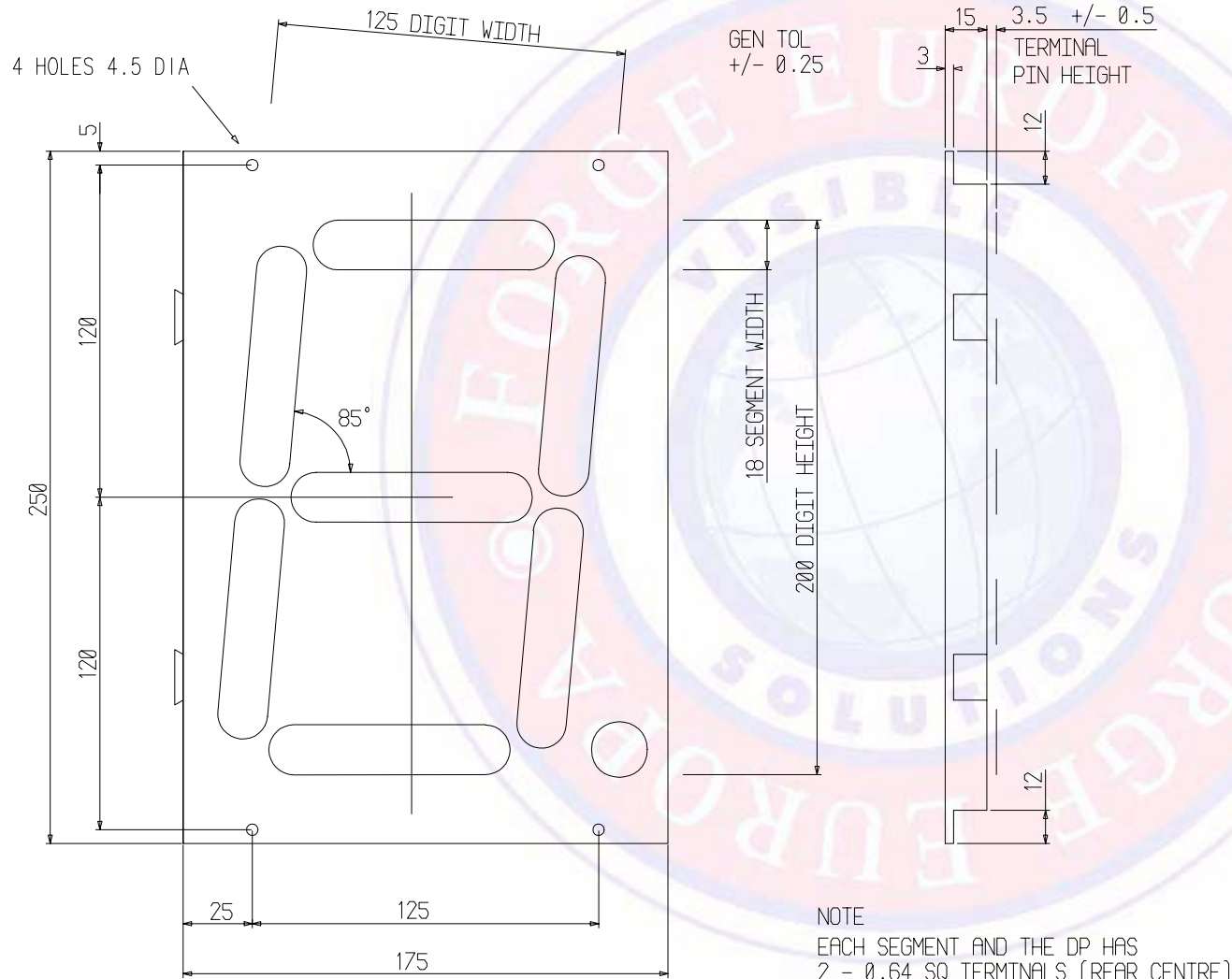
Maximum Ratings / segment $T_a = 25^\circ \text{ C}$ (Derate above 25° C)

| Characteristic | Condition | Symbol | Rating | Units |
|----------------------------|----------------------------------|-----------|--------------|--------------------|
| Pulse Forward Current | 0.1 duty cycle @ 1KHz | I_{FP} | 300 | mA |
| DC Forward Current | | I_F | 75 | mA |
| 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 | $^\circ \text{ C}$ |

It is the responsibility of the customer to verify the suitability of the product for the application.

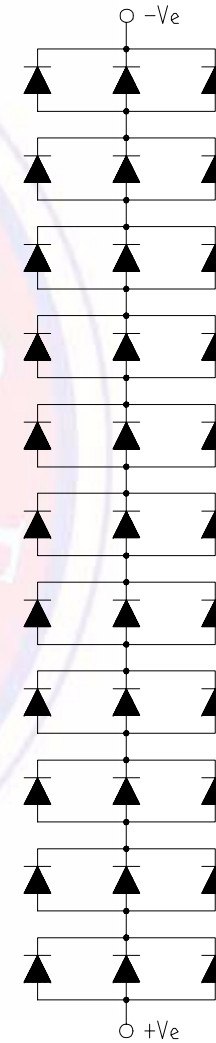
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Package Outline and Diagram



NOTE
EACH SEGMENT AND THE DP HAS
2 - 0.64 SQ TERMINALS (REAR CENTRE)

SEGMENT DIAGRAM



DP DIAGRAM

