

Features:

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

Available options:

- Alternative face and segment colour
- Alternative font
- Cropped terminal pins
- Alternative emitting colour
- Low current version

Font design

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 | Part Number Common Anode | Emitting Colour | Wavelength Peak λ_p | Forward Voltage V_F | | Luminous Intensity I_V | |
|-------------------------------|-----------------------------|-----------------|--------------------------------|-----------------------|------|----------------------------|---------|
| | | | | typical | max | min | typical |
| FN4-0405L00GW | FN4-0406L00GW | GaAlAs Red | 660 | 1.85 | 2.00 | - | 15 |
| FN4-0405300GW | FN4-0406300GW | HE Red | 640 | 2.05 | 2.50 | - | 5 |
| FN4-0405Y05300GW | FN4-0406Y05300GW | Yellow | 591 | 2.05 | 2.40 | - | 30 |
| FN4-0405200GW | FN4-0406200GW | Green | 568 | 2.10 | 2.50 | - | 9 |
| FN4-0405B0500GW | FN4-0406B0500GW | * HE Blue | 465 | 3.70 | 4.00 | - | 6 |
| FN4-0405B0100GW | FN4-0406B0100GW | Blue | 428 | 3.80 | 4.50 | - | 4 |
| Units | | | nm | V | | mcd / seg. (digit average) | |

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

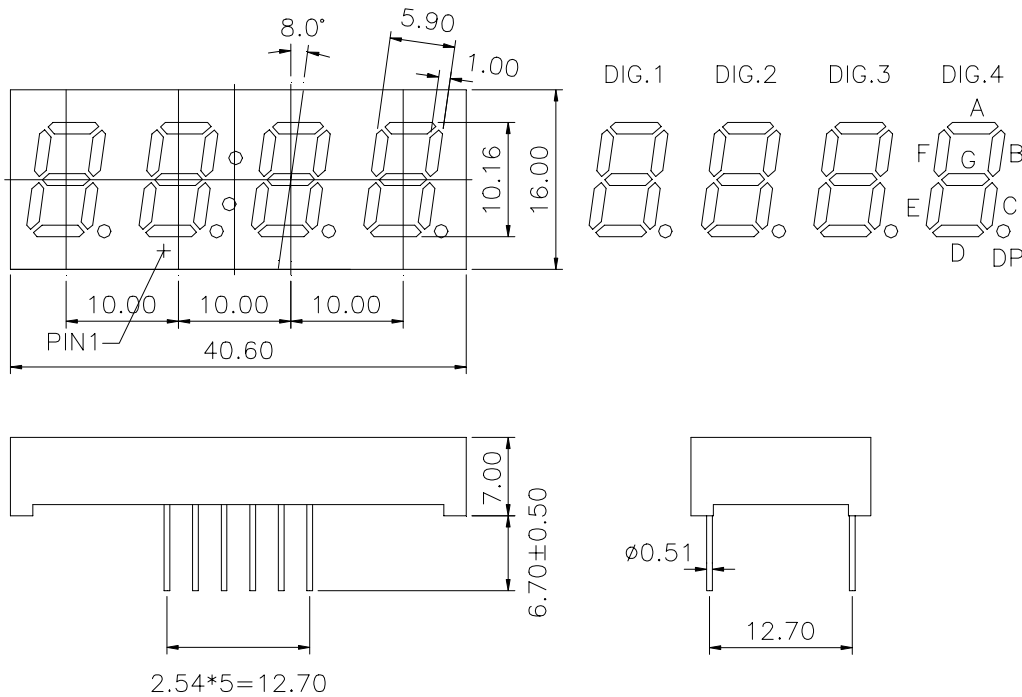
| Characteristic | Condition | Symbol | Rating | Units |
|----------------------------|-----------------------------------|-----------|--------------|--------------------|
| Pulse Forward Current | 0.1 duty cycle @ 1KHz (HE Blue) | I_{FP} | 100 (35) | mA |
| DC Forward Current | (HE Blue) | I_F | 25 (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

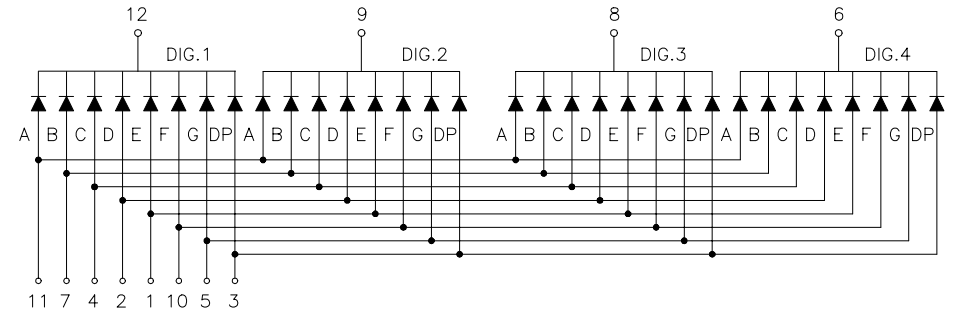
Industry standard procedures regarding static must be observed when handling product produced with blue die material.



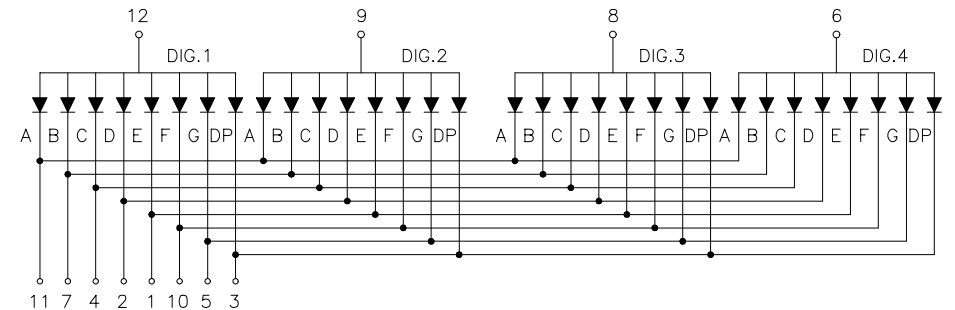
Package Outline



Common Cathode



Common Anode



Tolerance ± 0.25 mm unless stated



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