

● PROFESSIONAL LED INDICATORS Ø6.35mm Mounting

FEATURES



612 SERIES

PACK QUANTITY = 10 PIECES

- Black anodised aluminium housing
- Internal reverse protection diode fitted as standard in all voltage models
- Sealed to IP67
- Flying lead terminations available
- Suitable for high vibration applications

SPECIFICATION

Ordering Information & Typical Technical Characteristics (Ta = 25°C)

Mean Time Between Failure = 100,000 Hours. Luminous intensity figures refer to the unmodified discrete LED.

| PART NUMBER | COLOUR | LENS | VOLTAGE DC (Vdc) Vopr | CURRENT DC (mA) Iopr | LUMINOUS INTENSITY Iv@20mA (mcd) | WAVE LENGTH λp (nm) | OPERATING TEMP Topr | STORAGE TEMP Tstg | |
|-----------------------|------------|--------|--------------------------|-------------------------|-------------------------------------|------------------------|------------------------|----------------------|-----|
| HIGH INTENSITY | | | | | | | | | |
| 612-301-21 | Red | Smoked | 12 | 20 | 900 | 660 | -40 ~ +85 [^] | -40 ~ +85 | Yes |
| 612-325-21 | Yellow | Smoked | 12 | 20 | 4300 | 590 | -30 ~ +85 [^] | -40 ~ +120 | Yes |
| 612-324-21 | Green | Smoked | 12 | 20 | 7800 | 525 | -30 ~ +85 [^] | -40 ~ +100 | Yes |
| 612-934-21 | Blue | Smoked | 12 | 20 | 2300 | 470 | -30 ~ +85 [^] | -40 ~ +100 | Yes |
| 612-998-21 | Cool White | Smoked | 12 | 20 | 4600 | see below | -30 ~ +85 [^] | -40 ~ +100 | Yes |
| 612-301-23 | Red | Smoked | 24-28 | 20 | 900 | 660 | -40 ~ +85 [^] | -40 ~ +85 | Yes |
| 612-325-23 | Yellow | Smoked | 24-28 | 20 | 4300 | 590 | -30 ~ +85 [^] | -40 ~ +120 | Yes |
| 612-324-23 | Green | Smoked | 24-28 | 20 | 7800 | 525 | -30 ~ +85 [^] | -40 ~ +100 | Yes |
| 612-934-23 | Blue | Smoked | 24-28 | 20 | 2300 | 470 | -30 ~ +85 [^] | -40 ~ +100 | Yes |
| 612-998-23 | Cool White | Smoked | 24-28 | 20 | 4600 | see below | -30 ~ +85 [^] | -40 ~ +100 | Yes |
| UNITS | | | Vdc | mA | mcd | nm | °C | °C | |



Other voltages AC/DC available. Please contact our Technical Sales.

[^] = Products must be derated according to the derating information. Each derating graph refers to specific LEDs.

| | | | | |
|------------|-------------------------------------|-------|-------|-------|
| 998 | *Typical emission colour cool white | | | |
| x | 0.296 | 0.283 | 0.330 | 0.330 |
| y | 0.276 | 0.305 | 0.339 | 0.318 |

Intensities (Iv) and colour shades of white (x,y co-ordinates) may vary between LEDs within a batch.

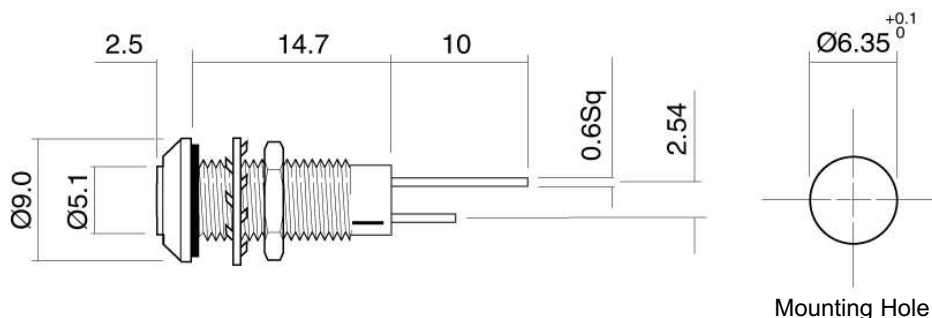
How to Order:

website: www.marl.co.uk • email: sales@marl.co.uk •

• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

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612 Series



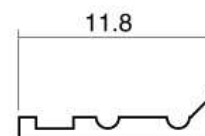
Dimensions in mm (Typical)
Not to scale

Anode termination indicated by long pin.
Mounting hole to be clean and burr free

MATERIALS

PUSH-ON CONNECTORS

| | |
|------------------|----------------------------|
| Body | Black Anodised Aluminium |
| Nut | Bright Nickel Plated Brass |
| Panel Seal | Viton |
| Termination Tags | Tin Plated Phosphor Bronze |
| Fresnel lens | Polycarbonate |
| Encapsulation | Epoxy |
| Lock Washer | Spring Steel |



909-000-00 is gold plated.
910-000-00 is tin plated.
For use with 612 series lamps.

Dimensions in mm (Typical)
Not to scale

TECHNICAL CHARACTERISTICS

| SERIES | MAXIMUM POWER DISSIPATION | MAXIMUM REVERSE VOLTAGE | PANEL CUTOUT | NUT MOUNTING TORQUE | MINIMUM MOUNTING CENTRES | MIN/MAX. PANEL THICKNESS |
|--------|---------------------------|-------------------------|--------------|---------------------|--------------------------|--------------------------|
| 612 | 500 | 3* / 75• | 6.35 | 0.6 | x,y = 11.0 | 1.5-7.0 |
| | mW | Vdc | mm | Nm | mm | mm |

* = Current Version • = Voltage Version

OPTIONAL FLYING LEAD TERMINATIONS

| ORDER CODE SUFFIX | SUPPLY VOLTAGE | WIRE COLOUR | WIRE LENGTH | NO/DIAMETER OF CONDUCTORS | DIAMETER OVER INSULATION | COMMENTS |
|-------------------|----------------|---------------------------|-------------|---------------------------|--------------------------|------------------------------|
| 15 | DC Products | Red-anode / Black-cathode | 150mm | 19/0.15mm | 1.2mm | Customised lengths available |
| 15 | AC Products | Brown-live / Blue-neutral | 150mm | | | |
| 19 | DC Products | Red-anode / Black-cathode | 1000mm | | | |
| 19 | AC Products | Brown-live / Blue-neutral | 1000mm | | | |

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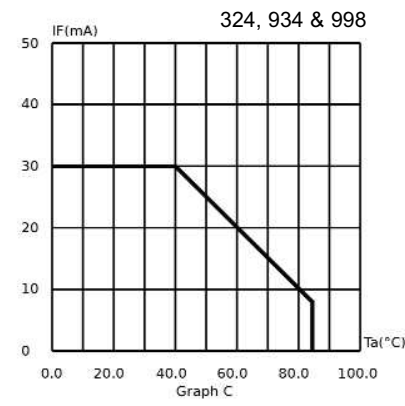
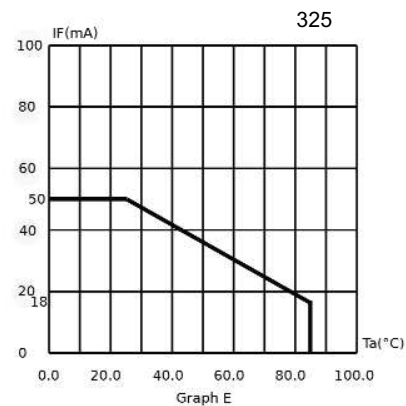
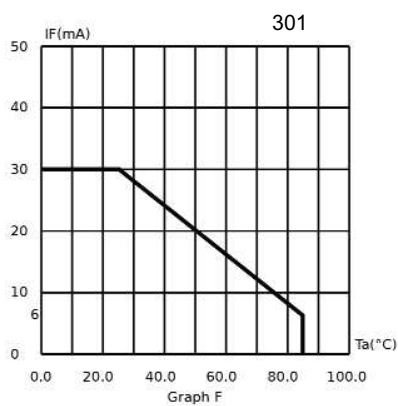
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BS EN ISO 9001:2000
Approved Manufacturer

DERATING INFORMATION



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