

● PROFESSIONAL LED INDICATORS Ø12.7mm Mounting

**FEATURES**



**652 SERIES**

PACK QUANTITY = 10 PIECES

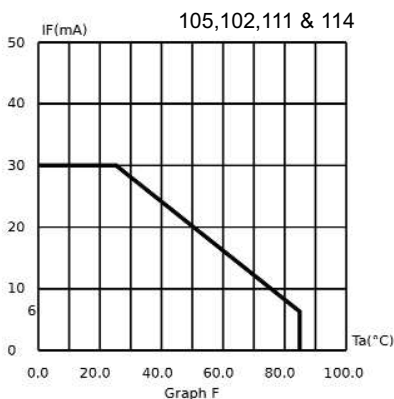
- Each product will operate over a wide voltage input range
- Black anodised aluminium housing
- 180° viewing angle
- Full internal potting to resist shock and vibration
- Sealed to IP67
- Fitted with an internal diode to provide reverse voltage protection to 1000Vdc

**SPECIFICATIONS**

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	
<b>HIGH INTENSITY</b>									
652-105-63	Red		12-28	8-20	100	627	-40 ~ +85^	-40 ~ +85	Yes
652-102-63	Red (GaAlAs)		12-28	8-20	450	660	-40 ~ +85^	-40 ~ +85	Yes
652-111-63	Yellow		12-28	8-20	50	590	-40 ~ +85^	-40 ~ +85	Yes
652-114-63	Green		12-28	8-20	60	565	-40 ~ +85^	-40 ~ +85	Yes
652-105-75	Red		110Vac	6	100	627	-40 ~ +85^	-40 ~ +85	Yes
652-102-75	Red (GaAlAs)		110Vac	6	450	660	-40 ~ +85^	-40 ~ +85	Yes
652-111-75	Yellow		110Vac	6	50	590	-40 ~ +85^	-40 ~ +85	Yes
652-114-75	Green		110Vac	6	60	565	-40 ~ +85^	-40 ~ +85	Yes
<b>UNITS</b>			<b>Vdc</b>	<b>mA</b>	<b>mcd</b>	<b>nm</b>	<b>°C</b>	<b>°C</b>	



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

**How to Order:**

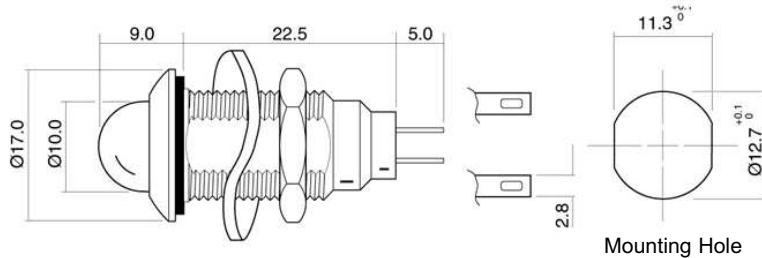
website: [www.marl.co.uk](http://www.marl.co.uk) • email: [sales@marl.co.uk](mailto:sales@marl.co.uk) •

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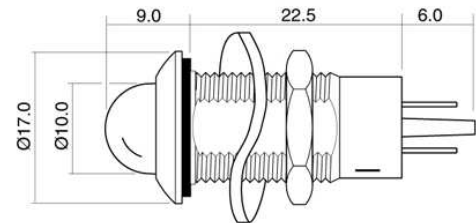
### 652 Series

20mA to 48Vac/dc



Dimensions in mm (Typical)  
Not to scale

All other voltages

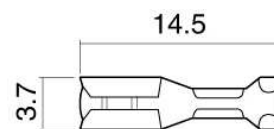


Anode termination indicated by red sleeve  
Mounting hole to be clean and burr free

#### MATERIALS

Body	Aluminium grade 6063 black anodised
Nut	Stainless Steel grade 303
Panel Seal	Viton
Termination	Copper with silver flash finish
Lock Washer	Zinc plated steel
Fresnel lens	Polycarbonate
Encapsulation	PC5430
Header	Nylon6 A82

#### PUSH-ON CONNECTORS



925-000-00 is brass tin plated.  
For use with 652 series lamps.

Dimensions in mm (Typical)  
Not to scale

#### TECHNICAL CHARACTERISTICS

SERIES	MAXIMUM POWER DISSIPATION	PANEL CUTOUT	NUT MOUNTING TORQUE	MINIMUM MOUNTING CENTRES	MIN/MAX. PANEL THICKNESS	
652	825	12.7	1.0	x,y=19.5	1.5-8.0	
	mW	mm	Nm	mm	mm	

#### How to Order:

website: [www.marl.co.uk](http://www.marl.co.uk) • email: [sales@marl.co.uk](mailto:sales@marl.co.uk) •

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