

SELECTION CRITERIA
HIGH QUALITY LED CHIPS

- Each product will operate over a wide voltage input range
- Bright nickel plated heat sink for 180° viewing angle
- Full functional testing to resist shock and vibration
- Coated to IP67
- Filled with an internal solder to provide 200% surge voltage protection to 100Vdc

SPECIFICATIONS

Circuiting Information: Typical Technical Characteristics: Ta = 25°C
 Mean Time to Failure = 100,000 Hours. Life Intensity: refer to the unclassified datasheet

PART NUMBER	COLOUR	TYPE	WAVELENGTH (nm)	CURRENT (mA)	LUMINOUS INTENSITY (mcd @ 20mA max)	WAVELENGTH (nm)	OPERATING TEMPERATURE (°C)	RADIATION (mrad)	Notes
533-105-63	Red	Colour Diffused	628	8-20	100	627	-40 ~ +35°	-40 ~ +55	Yes
533-102-63	Red (GaAs)	Colour Diffused	628	8-20	450	627	-40 ~ +85°	-40 ~ +85	Yes
533-111-63	Yellow	Colour Diffused	590	8-20	100	590	-40 ~ +35°	-40 ~ +55	Yes
533-114-63	Green	Colour Diffused	525	8-20	100	525	-40 ~ +35°	-40 ~ +55	Yes
533-103-63	Red	Colour Diffused	628	6	100	627	-40 ~ +85°	-40 ~ +85	Yes
533-101-63	Red (Ga/AlAs)	Colour Diffused	628	6	450	627	-40 ~ +85°	-40 ~ +85	Yes
533-117-75	Yellow	Colour Diffused	590	6	100	590	-40 ~ +35°	-40 ~ +85	Yes
533-118-75	Green	Colour Diffused	525	6	100	525	-40 ~ +35°	-40 ~ +85	Yes
UNIT			nm	mA	mcd	nm	°C	mrad	

* Product is tested to operate according to the operating conditions. Each production graph refers to specific LEDs.

How to Order:

website: www.aryl.com • email: sales@aryl.com

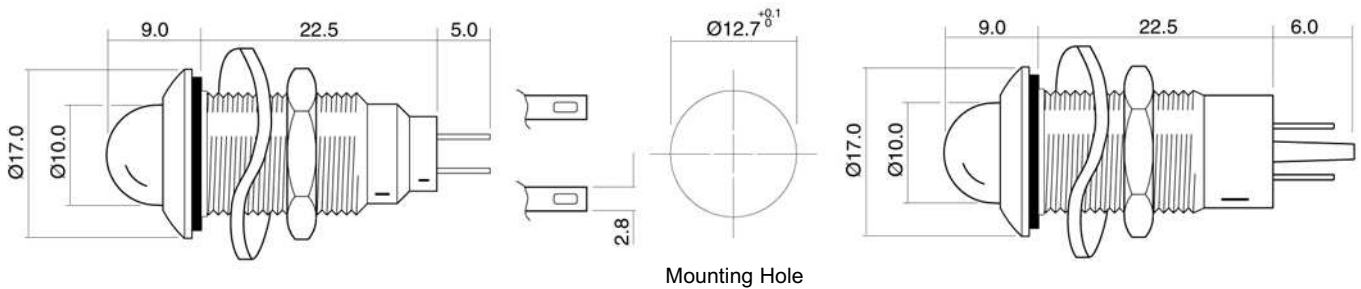
• Tel: (to be +44) (0)12 533 3000 • Fax: (to be +44) (0)1229 303155

The information contained in this data sheet does not constitute part of any order or contract and should not be regarded as any presentation relating to the products or services. Best International reserves the right to alter, without notice the specifications and the supply of products or service.

533 Series

Below 50Vac/dc

Above 50Vac/dc



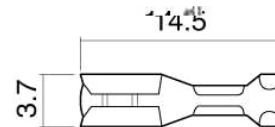
Dimensions in mm (Typical)
Not to scale

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

MATERIALS

Body	Nickel plated brass to BS 2874 CZ121
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 533 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	
533	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 • email: sales@marl.co.uk •

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

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Approved Manufacturer