

● PROFESSIONAL LED INDICATORS Ø8.5mm Mounting

FEATURES



665 SERIES

PACK QUANTITY = 10 PIECES

- Hard black anodised aluminium housing
- Short body length is ideal for portable equipment
- Unique hexagon bezel to aid mounting to panel
- Unique PTFE mounting/panel seal
- Sealed to IP68 (10psi) to BS5420
- Suitable for high vibration applications
- Ideal for marine 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									
665-501-04-50	Red 	Colour Diffused	2.0	20	11000	643	-40 ~ +95^	-40 ~ +100	Yes
665-521-04-50	Yellow 	Colour Diffused	2.1	20	16000	591	-40 ~ +95^	-40 ~ +100	Yes
665-532-04-50	Green 	Colour Diffused	3.4	20	23000	527	-40 ~ +95^	-40 ~ +100	Yes
665-930-04-50	Blue 	Colour Diffused	3.4	20	7000	470	-40 ~ +95^	-40 ~ +100	Yes
665-997-04-50	Cool White 	Colour Diffused	3.4	20	14000	*see below	-40 ~ +95^	-40 ~ +100	Yes
UNITS			Vdc	mA	mcd	nm	°C	°C	

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

Appropriate LED numbers shown - Refer to page 3

997F-C	*Typical emission colour cool white			
x	0.245	0.361	0.356	0.264
y	0.229	0.385	0.351	0.220

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

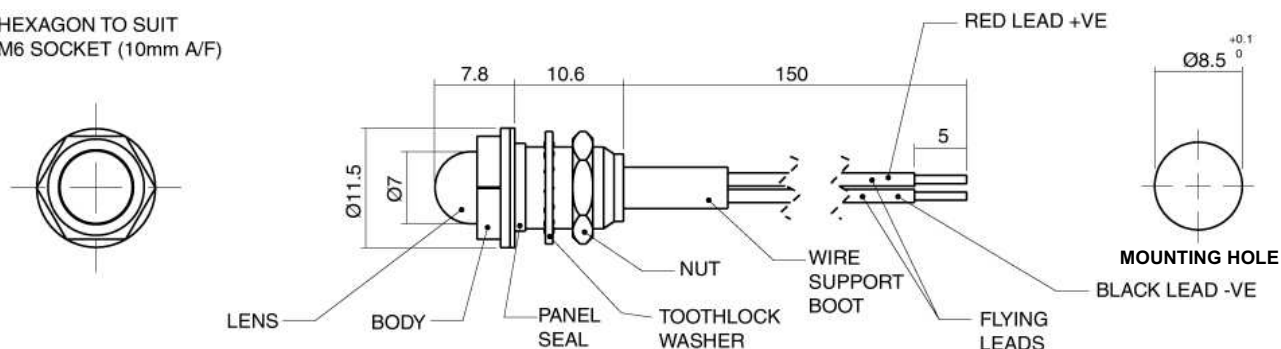
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BS EN ISO 9001:2000
Approved Manufacturer

665 Series

HEXAGON TO SUIT
M6 SOCKET (10mm A/F)



Dimensions in mm (Typical)
Not to scale

Mounting hole to be clean and burr free

MATERIALS

Body:	Hard Black Anodised Aluminium. Anodised to Def Stan 03/26 50microns	
Nut:	Bright Nickel Plated Brass	
Panel Seal:	PTFE	
Fresnel lens:	Polycarbonate	
Encapsulation:	PC5430 resin	
Lock Washer:	Spring Steel	Termination Wires: Def Stan61/12, Part 18 chemical and flame retardent.

TECHNICAL CHARACTERISTICS

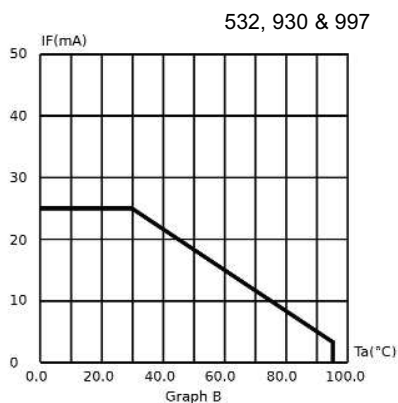
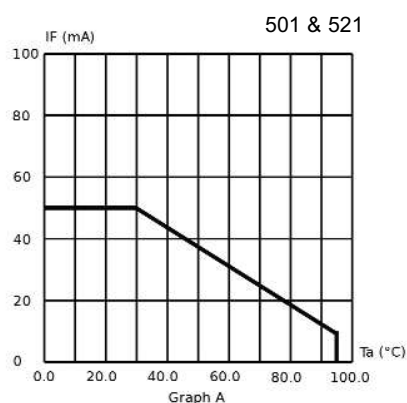
SERIES	MAXIMUM POWER DISSIPATION	MAXIMUM REVERSE VOLTAGE	PANEL CUTOUT	NUT MOUNTING TORQUE	MINIMUM MOUNTING CENTRES	MIN/MAX. PANEL THICKNESS
665	75	3	8.5	1.0	x,y = 14.5	1.5-5.0
	mW	Vdc	mm	Nm	mm	mm

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Derating Information



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