



CW450-01

- Compact Blue Laser Diode Module
- 450 nm cw, <1 mW
- Automatic Power Control
- 2 – 5 VDC
- Fix Focus Acryl Lens



Description

CW450-01 is a compact size fix collimated laser diode module with a typical emission wavelength of 450 nm, and an optical output power of <1mW. It features automatic power control (APC) driving electronics for stable operation, and supports a wide input voltage range (2-5 VDC)

Specifications

Parameter	Values			Unit
	Min.	Typ.	Max.	
Wavelength	440	450	460	nm
Output power			1	mW
Laser class		2		
Output aperture		Ø 3		mm
Spot size (@ 15 m)		8 x 6		mm
Warm up time		<3		s
Supply voltage	2.0		5.0	VDC
Operating current		80	140	mA
Operating temperature	+10		+60	°C
Storage temperature	-20		+80	°C
Material body		Brass		
Material lens		Acryl		
Electrical Connection		connector plug		
Dimensions		Ø12 x 22 (49)		mm
Lead Cable		Ø4.2 mm x >100		mm
MTTF	3000			h



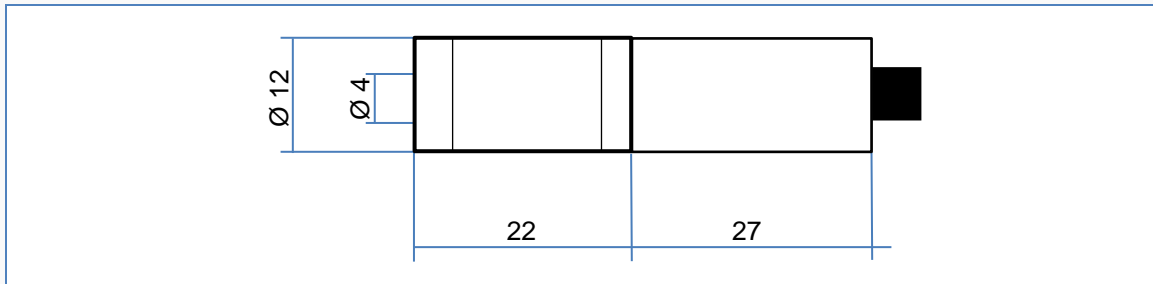


Electrical Connection

Connector Plug



Drawing



All dimensions in mm

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The above specifications are for reference purpose only and subjected to change without prior notice