



## CW450-05

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



### Description

**CW450-05** is a compact size fix collimated laser diode module with a typical emission wavelength of 450 nm, and an optical output power of <5mW. 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	3	4	5	mW
Laser class	3R			
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			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



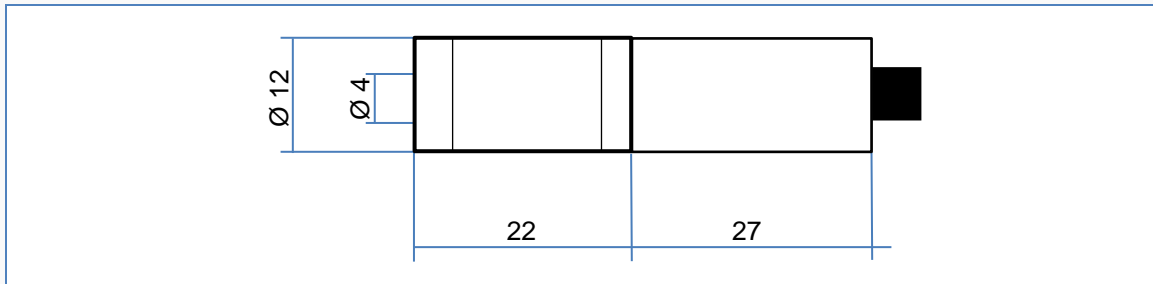


## Electrical Connection

### 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