



CW520-01

- Compact Green Laser Diode Module
- 515 nm cw, 1 mW
- Automatic Power Control
- 3 – 5 VDC
- Fix Focus Acryl Lens



Description

CW520-01 is a compact size fix collimated laser diode module with a typical emission wavelength of 515 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 (3-5 VDC)

Specifications

Parameter	Values			Unit
	Min.	Typ.	Max.	
Wavelength	505	515	525	nm
Output power			1	mW
Laser class		2		
Output aperture		Ø 2		mm
Beam divergence		< 1		mrad
Supply voltage	3.0		5.0	VDC
Power stability*			± 5	%
Operating current			250	mA
Operating temperature	+10		+50	°C
Storage temperature	-20		+70	°C
Material body		Brass		
Material lens		Acryl		
Dimensions		Ø 12 x 22 (49)		mm
Leads		0.25 mm ² x 100		mm
MTTF	5000			H



*power stability ± 3% for 30 min @ constant temperature

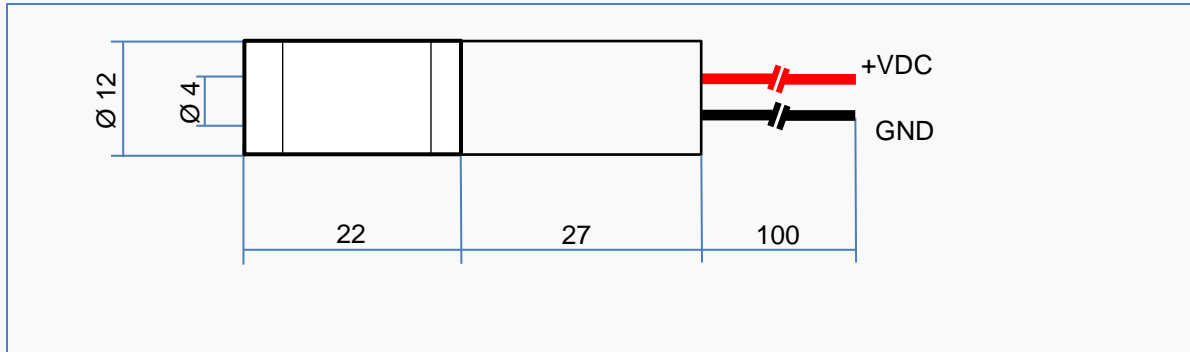
Electrical Connection

Lead	Description
Red	+VDC
Black	GND





Drawing



All dimensions in mm

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