

## Dot laser, green, 520 nm, 1 mW

DDI520-1-5(12x40)-C200-QCW  
Order Number: 70128185

Main Parameters (*)	min	typ	max	Unit
Wavelength		520		nm
Optical Output Power		1		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	30	50	80	mA
Operating Temperature	-10		60	°C
Storage Temperature	-40		80	°C

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime >6,000 h  
RoHS yes

### Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	D - 0,5 mrad
Beam Diameter	5 mm
Size of Laserdot	<2..3mm@5m
Operating Distance	50 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	collimated
internal modulation frequency	1 kHz

### Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

### Mechanical Parameters

Size	Ø12x40 mm
Material	aluminium
Cable length	200 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	5 mm
Housing Color	black
Weight	7 g
Stripping of wire	5 mm

(\*) Over the complete operating temperature range

### Features



- Operating Voltage 5V DC
- Isolated housing
- Laser Class 2
- Fixed focus
- Compact size

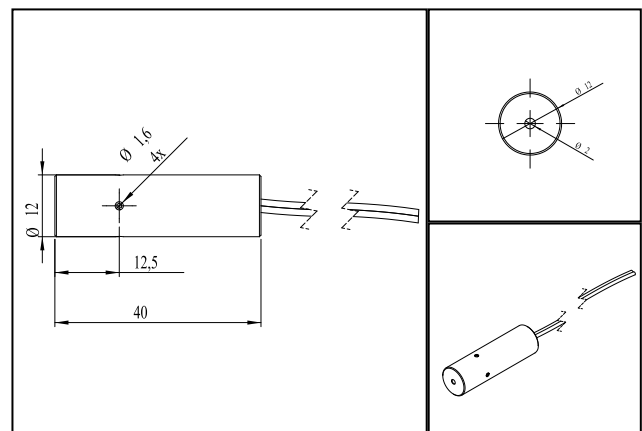
### Picture



### Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC

### Drawing



### Safety Label



### Valid Revision

| 25-MAY-2020