

## Cross laser, green, 520 nm, 45 °, 5 mW

CG520-5-12(20x59)45-WP-M8  
Order Number: 70148718

Main Parameters (*)	min	typ	max	Unit
Wavelength	515	520	525	nm
Optical Output Power	4.3	5	5	mW
Operating Voltage	10.8	12	13.2	V DC
Operating Current	20	40	60	mA
Operating Temperature	-20		60	°C
Storage Temperature	-40		80	°C

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime >8000 h  
RoHS yes

### Optical Parameters

Beam Shape	Cross
Laser Class	1M
Divergence	G - 0.8 mrad
Fan Angle	45 °
Line Thickness	<2mm@2.5mm
Operating Distance	2.5 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	collimated

### Electrical Parameters

Potential of Housing	isolated
ESD Protection	IEC 61000-4-2
Connector	CON-M8-4POL

### Mechanical Parameters

Size	Ø20x59 mm
Material	aluminium
Cable length	800 mm
Wire type	18AWG, black, 3,6mm
Housing Color	black
Weight	50 g
Protection Class	IP67

(\*) Over the complete operating temperature range

### Features





- Operating Voltage 12 V DC
- Small fan angle
- Laser Class 1M
- Waterproof

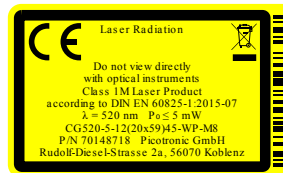
### Picture



### Cable color

Ground		black	GND
positive		red	10.8 - 13.2, typ 12 V DC

### Safety Label



### Valid Revision

| 27-OCT-2020