

## Cross laser, green, 520 nm, 60°, 5 mW

CH520-5-5-F(12x45)60DEG-C5000  
Order Number: 70148237

Main Parameters (*)	min	typ	max	Unit
Wavelength		520		nm
Optical Output Power	1.5	5	5	mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	25	40	50	mA
Operating Temperature	-20		70	°C
Storage Temperature	-40		85	°C

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime > 8,000 h  
RoHS yes

### Optical Parameters

Beam Shape	Cross
Laser Class	1M
Divergence	H - 1.0 mrad
Fan Angle	60°
Line Thickness	adjustable
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable

### 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	Ø12x45 mm
Material	aluminium
Cable length	5,000 mm

Wire type	24AWG, black, 3mm
Output Aperture	6 mm
Housing Color	black
Weight	9.4 g
Stripping of wire	5 mm

(\*) Over the complete operating temperature range

### Features





- Operating Voltage 5V DC
- Laser Class 1M
- Low cost
- Fan angle 60°
- Compact size

### Picture



### Cable color

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

### Safety Label



### Valid Revision

| 19-JUN-2024