

Dot laser, green, 520 nm, 5 mW

MD520-5-5-F(14X45)
Order Number: 70156867

Main Parameters (*)	min	typ	max	Unit
Wavelength		520		nm
Optical Output Power		5		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	50	100	150	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	3R
Divergence	D - 0.5 mrad
Size of Laserdot	adjustable
Operating Distance	50 m
Optics	glass lens AR coated
Laser technology	diode
Focus	adjustable

Electrical Parameters

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

Mechanical Parameters

Size	Ø14x45 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	5 mm
Housing Color	black
Weight	18 g

(*) Over the complete operating temperature range

Features



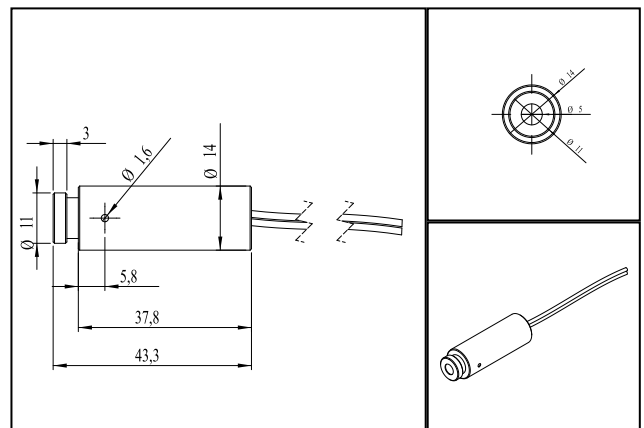
Picture



Cable color

Positive		red	4.5 - 5.5, typ 5V DC
Ground		black	GND
Modulation		yellow	≤ 100 kHz

Drawing



Safety Label



Valid Revision

| 12-AUG-2025