

Dot laser, blue, 405 nm, 0.4 mW

AMDB405-0.4-5(14X45)
Order Number: 70183511

Main Parameters (*)	min	typ	max	Unit
Wavelength		405		nm
Optical Output Power		0.4		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	25	40	60	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	1
Divergence	B - 0.3 mrad
Beam Diameter	4 mm
Size of Laserdot	4.5@5m
Operating Distance	5 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	collimated

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	Ø14x45 mm
Material	aluminium
Cable length	100 mm

Wire type	28AWG, Typ 1571
Output Aperture	4 mm
Housing Color	black
Weight	18 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Collimated
- Image processing
- Small laser head
- Laser Class 1

Picture



Cable color

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

Safety Label



Valid Revision

| 05-FEB-2025