

Dot laser, green, 520 nm, 3 mW

AMDA520-3-5(11.5X55)
Order Number: 70182941

Main Parameters (*)	min	typ	max	Unit
Wavelength		520		nm
Optical Output Power		3		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	100	130	160	mA
Operating Temperature	-20		60	°C
Storage Temperature	-40		85	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes
FDA registration	yes

Optical Parameters

Beam Shape	Dot
Laser Class	3R
Divergence	A - 0.1 mrad
Size of Laserdot	< $\varnothing$ 4.0mm (@5.0m)
Operating Distance	50 m
Optics	glass lens AR coated
Focus	collimated

Electrical Parameters

Cable color power control	Yellow
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

Mechanical Parameters

Size	Ø11.5x55 mm
Material	aluminium
Cable length	200 mm

Wire type	26AWG, 0,14mm ²
Output Aperture	4 mm
Housing Color	black
Weight	13 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Isolated housing
- Laser Class 3R
- Compact size
- Anti-reflex coating

Picture



Cable color

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

Safety Label



Valid Revision

| 13-DEC-2024