

Dot laser, red, 638 nm, 100 mW

AMDC638-100-5(12X50)
Order Number: 70190823

Main Parameters (*)	min	typ	max	Unit
Wavelength		638		nm
Optical Output Power		100		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	160	180	200	mA
Operating Temperature	-40		60	°C
Storage Temperature	-40		80	°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	3B
Divergence	C - 0.4 mrad
Size of Laserdot	adjustable
Operating Distance	50 m
Optics	glass lens AR coated
Focus	adjustable

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	Ø12x50 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

Picture



Cable color

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

Safety Label



Valid Revision

| 20-OCT-2025