

Dot laser, blue, 450 nm, 10 mW

AMD450-10-3(12X40)-F300-C2500
Order Number: 70160918

Main Parameters (*)	min	typ	max	Unit
Wavelength		450		nm
Optical Output Power		10		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	30	45	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	3B
Divergence	H - 1.0 mrad
Operating Distance	0.3 m
Optics	glass lens AR coated
Laser technology	diode
Focus	fixed

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	1 kHz

Mechanical Parameters

Size	Ø12x40 mm
Material	aluminium
Cable length	2,500 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	5 mm
Weight	18 g

(*) Over the complete operating temperature range

Features



Picture



Cable color

Ground		black	GND
Positive		red	2.7 - 3.3, typ 3 V DC
Modulation		yellow	1 kHz

Safety Label



Valid Revision

| 27-MAY-2024