

Doe laser, infrared, 780 nm, 10 mW

AMDD780-10-5(12x38)-DOE
Order Number: 70142006

Main Parameters (*)	min	typ	max	Unit
Wavelength	770	780	790	nm
Optical Output Power		10		mW
Operating Voltage	3	5	5	V DC
Operating Current	20	100	120	mA
Operating Temperature	-10		60	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 10,000 h
RoHS yes

Optical Parameters

Beam Shape	DOE
Laser Class	3R
Divergence	C - 0.4 mrad
Size of Laserdot	0.05mm@80mm
Operating Distance	0.08 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable

Electrical Parameters

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

Mechanical Parameters

Size	Ø12x38 mm
Material	aluminium
Cable length	100 mm

Wire type	26AWG, 0,14mm ²
Housing Color	black
Weight	75g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 5 V DC
- Laser Class 3R
- Adjustable focus
- Large operating range
- Isolated housing
- Laserpower adjustable (green cable)

Picture



Cable color

Ground		black	GND
Positive		red	3 - 5, typ 5 V DC
Modulation		green	

Safety Label



Valid Revision

| 20-JAN-2023