

Dot laser, blue, 405 nm, 90 mW

MDD405-90-5-F(22x65)-NT
Order Number: 70147506

Main Parameters (*)	min	typ	max	Unit
Wavelength	400	405	410	nm
Optical Output Power	80	90	100	mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	100	250	350	mA
Operating Temperature	-20		60	°C
Storage Temperature	-40		85	°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	D - 0.5 mrad
Size of Laserdot	<1.5mm@3m
Operating Distance	50 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	10 kHz
Connector	2.1 mm DC socket (GND inner)
Power Supply	Power Supply, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max, Connector 2,1x5,5x9,5mm center negative

Mechanical Parameters

Size	Ø22x65 mm
Material	aluminium

Cable length	300 mm
Wire type	26AWG, UL, isolated
Output Aperture	4 mm
Housing Color	black
Weight	50 g

(*) Over the complete operating temperature range

Features



- High Power
- Compact size
- Glass lenses anti reflex coated
- Operating Voltage 5 V DC

Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC
Modulation		yellow	10 kHz

Safety Label



Valid Revision

| 14-JUN-2024