

Dot laser, red, 650 nm, 5 mW

MDI650-5-5(10x26)-C250-CON
Order Number: 70142150

Main Parameters (*)	min	typ	max	Unit
Wavelength	645	650	655	nm
Optical Output Power	4	5	5	mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	12	18	25	mA
Operating Temperature	-10		50	°C
Storage Temperature	-20		65	°C

Main Data

Warranty	1 years
----------	---------

Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	3R
Divergence	I - 1.5 mrad
Size of Laserdot	<3 mm@1m
Operating Distance	1 m
Optics	acryl lense
Laser technology	Single Mode Diode
Focus	collimated

Electrical Parameters

Potential of Housing	VDD(+)
Max. Mod. Frequency	20 kHz
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

Mechanical Parameters

Size	Ø10x26 mm
Material	Brass

Cable length	250 mm
Wire type	26AWG, 0,14mm²
Housing Color	brass
Weight	6 g

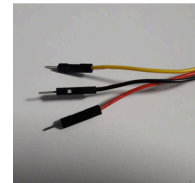
(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Laser Class 3R
- Compact size
- Fixed focus

Picture



Cable color

Ground		black	GND
Positive		red	4,5 - 5,5, typ 5 V DC
Modulation		yellow	20 kHz

Safety Label



Valid Revision

| 16-DEC-2020