

Dot laser, red, 635 nm, 0.7 mW

MDC635-0.7-5(8.5x30.5)
Order Number: 70141030

Main Parameters (*)	min	typ	max	Unit
Wavelength	630	635	645	nm
Optical Output Power	0.5	0.7	0.9	mW
Operating Voltage	3	5	6	V DC
Operating Current	20	35	40	mA
Operating Temperature	-20		60	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 10,000 h
RoHS yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	C - 0.4 mrad
Beam Diameter	5 mm
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	collimated

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	10 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	Ø8.5x30.5 mm
Material	aluminium
Cable length	115 mm

Wire type	26AWG, UL, isolated
Output Aperture	5 mm
Housing Color	black
Weight	4.3 g
Stripping of wire	3 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 5 V DC
- Fixed focus
- Small laser head
- Laser Class 2

Picture



Cable color

Ground		black	GND
Positive		red	3 - 6, typ 5 V DC
Modulation		yellow	10 kHz

Safety Label



Valid Revision

| 10-DEC-2019