

Dot laser, red, 670 nm, 1 mW

MDD670-1-5(12.7X39)
Order Number: 70116335

Main Parameters (*)	min	typ	max	Unit
Wavelength		670		nm
Optical Output Power		1		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	30	40	mA
Operating Temperature	-20		50	°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	D - 0.5 mrad
Beam Diameter	1.8 mm
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	diode
Focus	collimated

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	100 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	Ø12.7x39 mm
Material	Brass

Cable length	140 mm
Wire type	26AWG, 0,14mm²
Output Aperture	3 mm
Weight	18 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 5 V DC
- Modulated
- Laser Class 2
- Compact size
- Glas lenses anti reflex coated

Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC
Modulation		yellow	100 kHz

Safety Label



Valid Revision

6 | 02-SEP-2022