

## Dot laser, red, 670 nm, 1 mW

MDD670-1-5(12.7x34)  
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	LFNT-5

### Mechanical Parameters

Size	Ø12.7x34 mm
Material	Brass
Cable length	150 mm
Wire type	26AWG, 0,14mm <sup>2</sup>
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

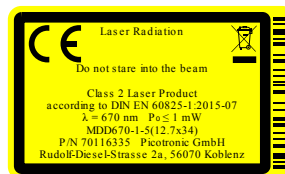
### Picture



### Cable color

Ground		black	GND
positive		red	4.5 - 5.5, typ 5 V DC
modulation		yellow	100 kHz

### Safety Label



### Valid Revision

6 | 01-APR-2019