

## Dot laser, red, 650 nm, 1 mW

MD650-1-5(12x34)-Q  
Order Number: 70104905

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power	0.7	1	1	mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	10	22	40	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime > 5,000 h

RoHS yes

### Optical Parameters

Beam Shape Dot

Laser Class 2

Divergence D - 0.5 mrad

Size of Laserdot adjustable

Operating Distance 10 m

Optics glass lens AR coated

Laser technology Single Mode Diode

Focus adjustable

### 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 Ø12x34 mm

Material Brass

Cable length 100 mm

Wire type 26AWG, 0,14mm<sup>2</sup>

Output Aperture 5 mm

Housing Color black

Weight 18 g

Stripping of wire 5 mm

(\*) Over the complete operating temperature range

### Features






- Adjustable focus
- Low power consumption
- Compact size
- Modulated
- Glas lenses anti reflex coated

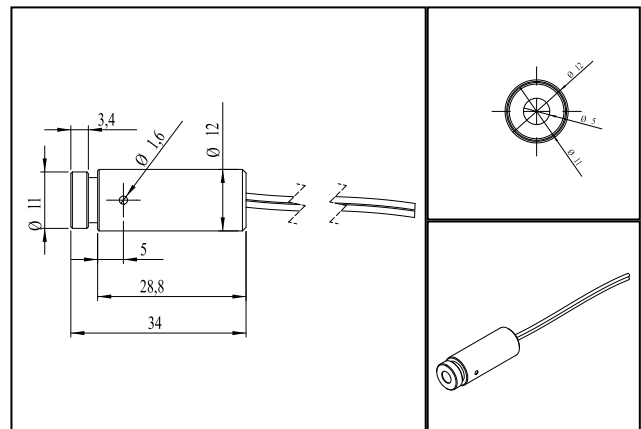
### Picture



### Cable color

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

### Drawing



### Safety Label



### Valid Revision

9 | 07-JUL-2022