

Cross laser, red, 635nm, 45°, 3.5mW

LFC635-5-6(9x20)45-C50

Order Number: 70124873

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power	2	3.5	5	mW
Operating Voltage	3	6	6.6	V DC
Operating Current	20	40	60	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>3000h
RoHS	yes

Optical Parameters

Beam Shape	Cross
Laser Class	1
Divergence	H - 1.0mrad
Fan Angle	45°
Line Thickness	<1.2mm@1m
Operating Distance	2m
Optics	acryl lense
Laser technology	Single Mode Diode
Focus	fixed (1000mm)
Verticality	< ±1°

Electrical Parameters

Potential of Housing	VDD(+)
Power Supply	LFNT-3

Mechanical Parameters

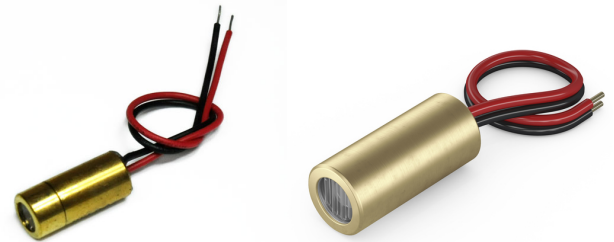
Size	Ø9x20mm
Material	Brass
Cable length	50mm
Wire type	26AWG, 0,14mm²
Output Aperture	6mm
Weight	6g

(*) Over the complete operating temperature range

Features

- Operating Voltage 3-6V DC
- Laser Class 1
- Compact size
- Low power consumption
- Uniform line thickness

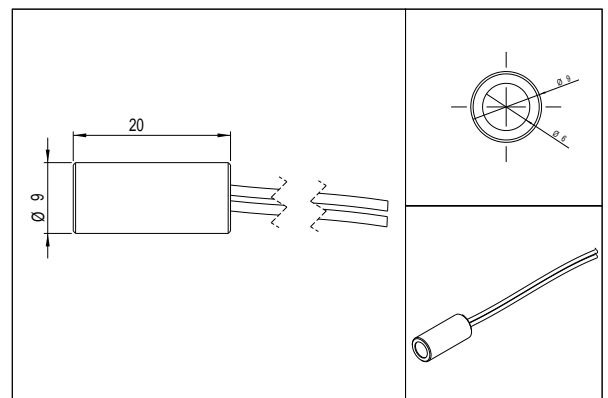
Picture



Cable Colors

Ground		black	GND
Positive		red	3 - 6.6, typ 6V DC

Drawing



Safety Label



Revision

| 21-FEB-2019

Laserfuchs is a registered trademark of the Picotronic GmbH

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