

Cross laser, red, 635nm, 45°, 5mW

LFC635-5-6(9x20)45-F100

Order Number: 70108941

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power		5		mW
Operating Voltage	3		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	<1mm@0.1m
Operating Distance	0.1m
Optics	acryl lense
Laser technology	diode
Focus	fixed (100mm)
Verticality	< ±1°

Electrical Parameters

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

Mechanical Parameters

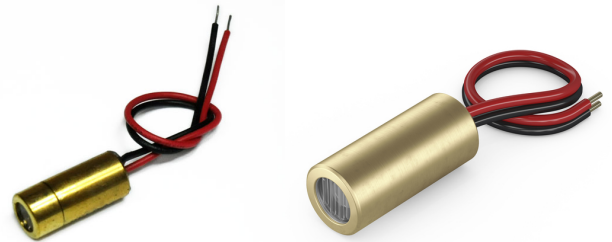
Size	Ø9x20mm
Material	Brass
Cable length	100mm
Wire type	26AWG, 0,14mm²
Output Aperture	6mm
Weight	6g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features

- Uniform line thickness
- Compact size
- Laser Class 1
- Low power consumption
- Low cost

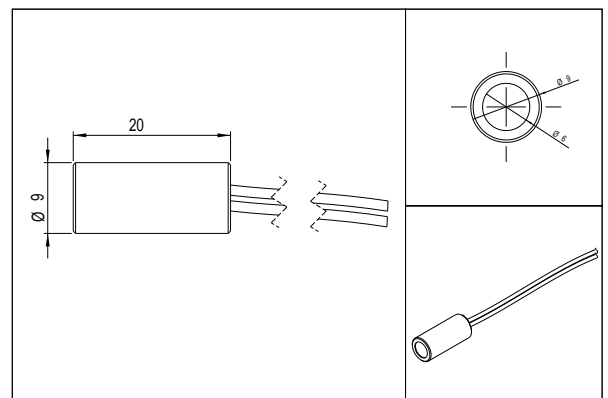
Picture



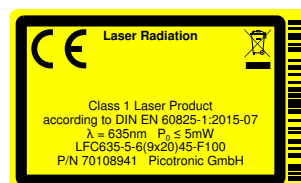
Cable Colors

Ground		black	GND
Positive		red	3 - 6V DC

Drawing



Safety Label



Revision

REV 9 | 04-FEB-2019

Laserfuchs is a registered trademark of the Picotronic GmbH

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