

## Cross laser, red, 635nm, 45°, 3.5mW

LFC635-5-6(9x20)45

Order Number: 70108491

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	diode
Focus	fixed (1000mm)
Verticality	< ±1°

### Electrical Parameters

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

### Mechanical Parameters

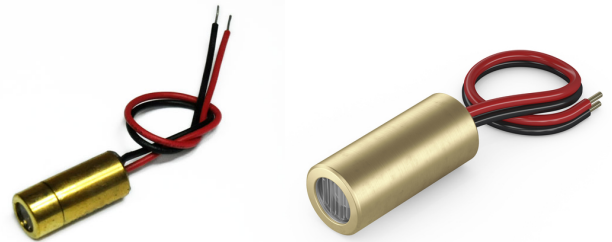
Size	Ø9x20mm
Material	Brass
Cable length	100mm
Wire type	26AWG, 0,14mm²
Output Aperture	6mm
Weight	6g

(\*) Over the complete operating temperature range

### Features

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

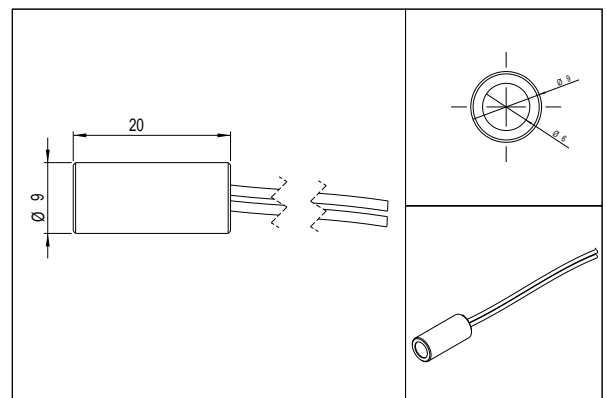
### Picture



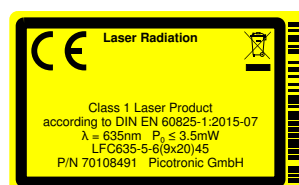
### Cable Colors

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

### Drawing



### Safety Label



### Revision

REV 13 | 14-JAN-2016

Laserfuchs is a registered trademark of the Picotronic GmbH

<b>Picotronic GmbH</b>	Geschäftsführende	FON +49(0)261-983 497-50	Sparkasse Koblenz	Postbank Stuttgart	Steuernummer: 22/651/0291/4
Rudolf-Diesel-Str. 2a	Gesellschafter:	FAX +49(0)261-983 497-55	BLZ 570 501 20, KTO 211 003	BLZ 600 100 70, KTO 770 787 04	Ust-Idnr. DE814473445
56070 Koblenz	David Heckner,	www.laserfuchs.de	BIC / IBAN : MALADE51KOB	BIC / IBAN : PBNKDEFF	Amtsgericht Koblenz HRB 20026
Germany	Thiemo Komischke	info@laserfuchs.de	DE41 5705 0120 0000 2110 03	DE41 6001 0070 0077 0787 04	WEEE-Reg.-Nr. DE85231360