

Cross laser, red, 650nm, 45°, 3.5mW

LFC650-5-12(10x22)45

Order Number: 70105780

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power	2	3.5	5	mW
Operating Voltage	2.5	12	12	V DC
Operating Current	10	20	30	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	1m
Optics	acryl lense
Laser technology	diode
Focus	fixed (1000mm)

Electrical Parameters

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

Mechanical Parameters

Size	Ø10x22mm
Material	Brass
Cable length	100mm
Wire type	26AWG, 0,14mm²
Output Aperture	6mm
Weight	9g

(*) Over the complete operating temperature range

Features

- Uniform line thickness
- Laser Class 1
- Low cost
- Low power consumption
- Operating Voltage 3-12V DC

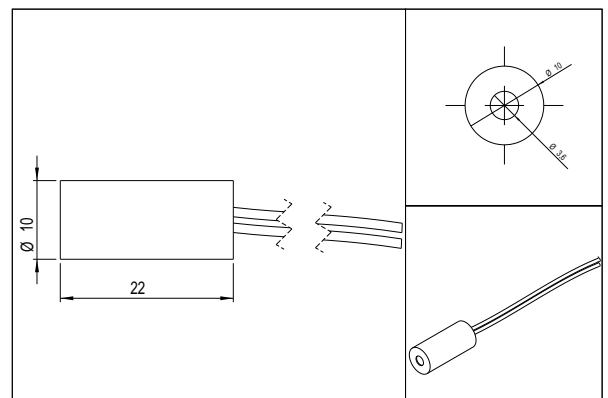
Picture



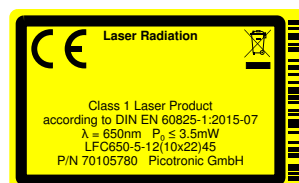
Cable Colors

Ground		black	GND
Positive		red	2.5 - 12, typ 12V DC

Drawing



Safety Label



Revision

REV 4 | 14-JAN-2016

Laserfuchs is a registered trademark of the Picotronic GmbH

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