

Line laser, red, 650nm, 90°, 5mW

LFL650-5-12(9x20)90-F250

Order Number: 70109986

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Diode Power	2	5	5	mW
Operating Voltage	3	3	12	V DC
Operating Current		20		mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>3000h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	H - 1.0mrad
Fan Angle	90°
Line Thickness	<1mm@0.25m
Operating Distance	0.25m
Optics	acryl lens
Laser technology	diode
Focus	fixed (250mm)

Electrical Parameters

Potential of Housing	VDD(+)
Power Supply	LFNT-5

Mechanical Parameters

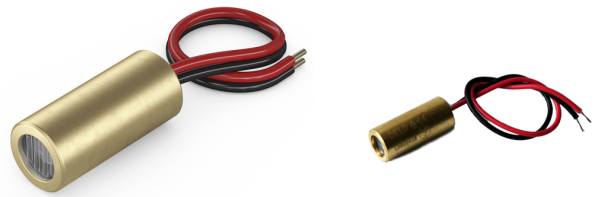
Size	Ø9x20mm
Material	Brass
Cable length	100mm
Wire type	26AWG, 0,14mm ²
Output Aperture	6mm
Weight	6g

(*) Over the complete operating temperature range


Features

- Operating Voltage 3-12V DC
- Compact size
- Uniform line thickness
- Low cost
- Laser Class 1

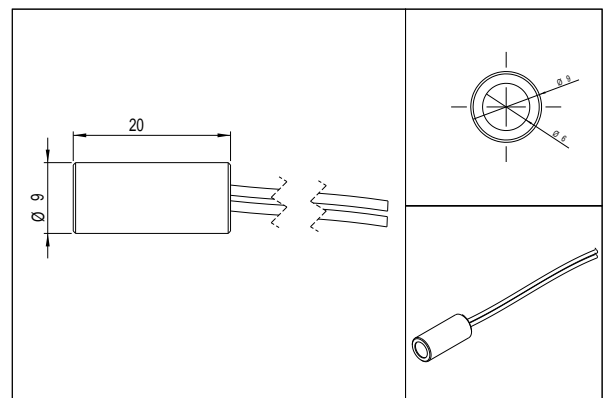
Picture



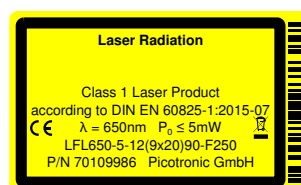
Cable Colors

Ground		black	GND
Positive		red	3 - 12, typ 3V DC

Drawing



Safety Label



Revision

REV 13 | 31-AUG-2017