



Line laser, red, 650 nm, 60°, 5 mW

LFL650-5-12(9x20)60
Order Number: 70105094

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	10	20	30	mA
Operating Temperature	-20		40	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
----------	---------

Technical Parameters

Lifetime	> 3,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	H - 1.0 mrad
Fan Angle	60°
Line Thickness	<1.2mm@1m
Operating Distance	1 m
Optics	acryl lense
Laser technology	diode
Focus	fixed (1000mm)

Electrical Parameters

Potential of Housing	VDD(+)
Power Supply	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

Mechanical Parameters

Size	Ø9x20 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm²
Output Aperture	6 mm
Weight	6 g

(*) Over the complete operating temperature range

Features



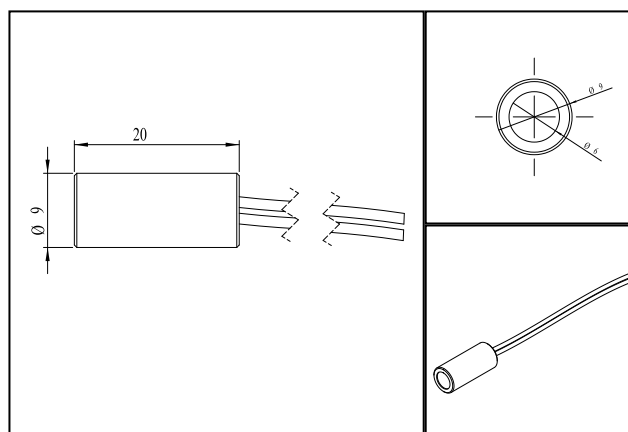
Picture



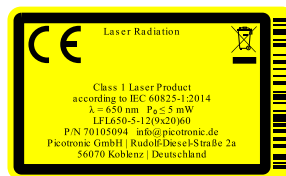
Cable color

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

Drawing



Safety Label



Valid Revision

1 | 18-SEP-2024