

Line laser, red, 635 nm, 90 °, 1 mW

LD635-1-24(14x45)-C500
 Order Number: 70116175

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		1		mW
Operating Voltage	21.6	24	26.4	V DC
Operating Current	10	20	30	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 5,000 h
 RoHS yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	D - 0.5 mrad
Fan Angle	90 °
Line Thickness	<1mm@1m
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	diode
Focus	fixed (1000mm)

Electrical Parameters

Potential of Housing isolated

Mechanical Parameters

Size	Ø14x45 mm
Material	aluminium
Cable length	500 mm
Wire type	18AWG, black, 3,6mm
Output Aperture	5.5 mm
Weight	17 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 24 V DC
- Laser Class 1
- Fan angle 90 °
- Compact size
- Uniform line thickness

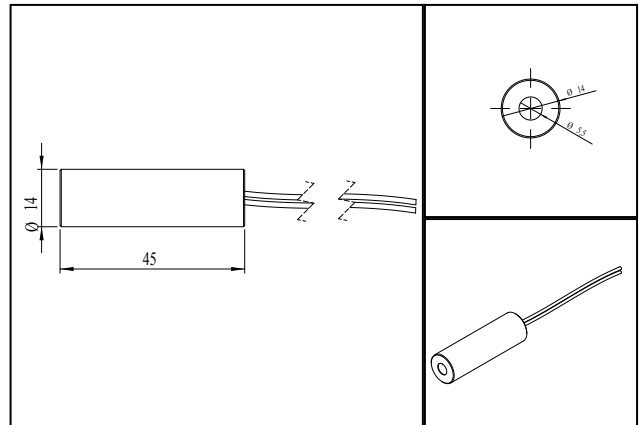
Picture



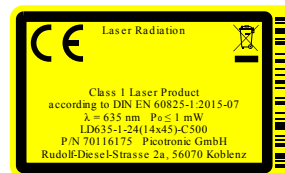
Cable color

Ground		black	GND
positive		white	21.6 - 26.4, typ 24 V DC

Drawing



Safety Label



Valid Revision

1 | 23-FEB-2022