

Line laser, red, 635nm, 90°, 1mW

LD635-1-24(14x45)-C200

Order Number: 70114959

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	1	7	25	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>5000h
RoHS	yes

Optical Parameters

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

Electrical Parameters

Potential of Housing	isolated
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Mechanical Parameters

Size	Ø14x45mm
Material	aluminium
Cable length	200mm
Wire type	18AWG, black, 3,6mm
Output Aperture	5.5mm
Housing Color	black
Weight	17g
Stripping of wire	5mm
Stripping of cable cover	50mm

(*) Over the complete operating temperature range

Features





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

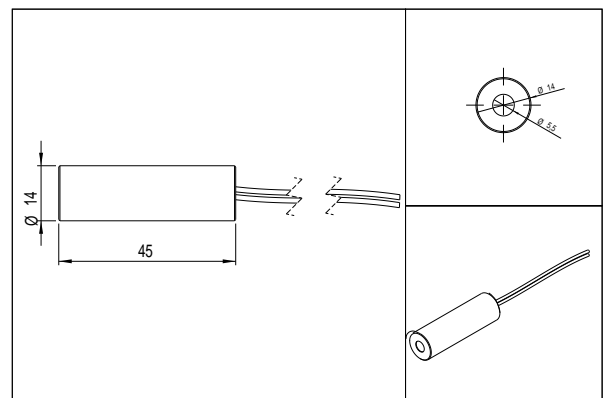
Picture



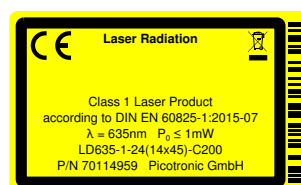
Cable Colors

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

Drawing



Safety Label



Revision

REV 1 | 09-JAN-2018