

Line laser, infrared, 840 nm, 90°, 30 mW

LH840-30-3(14x45)90DEG-F500
Order Number: 70121506

Main Parameters (*)	min	typ	max	Unit
Wavelength	830	840	850	nm
Optical Output Power	25	30	32	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	30	70	120	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 10,000 h
RoHS yes

Optical Parameters

Beam Shape	Line
Laser Class	3R
Divergence	H - 1.0 mrad
Fan Angle	90°
Line Thickness	<1.5mm@0.5m
Operating Distance	0.5m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Stability	+/- 3% @ -10-50°C
Focus	fixed (500mm)

Electrical Parameters

Potential of Housing	isolated
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	Ø14x45 mm
Material	aluminium
Cable length	200 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	5.5 mm
Housing Color	black
Weight	18 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Laser Class 3R
- Low power consumption
- Uniform line thickness
- Image processing

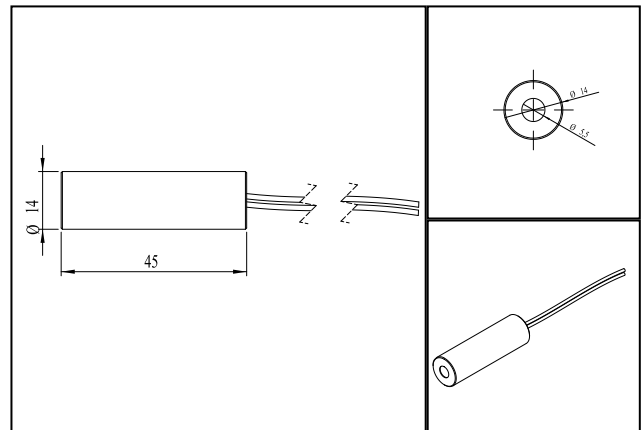
Picture



Cable color

Ground		black	GND
Positive		red	2.7 - 3.3, typ 3 V DC

Drawing



Safety Label



Valid Revision

| 23-JAN-2020