

Line laser, infrared, 850 nm, 30 °, 16 mW

LC850-16-3-F(14x55)30
Order Number: 70125030

Main Parameters (*)	min	typ	max	Unit
Wavelength		850		nm
Optical Output Power		16		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	30	60	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	3R
Divergence	C - 0.4 mrad
Fan Angle	30 °
Line Thickness	adjustable
Operating Distance	5 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

Mechanical Parameters

Size	Ø14x55 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	4 mm
Housing Color	black
Weight	20 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3 V DC
- Laser Class 3R
- Adjustable focus
- Low power consumption
- Compact size

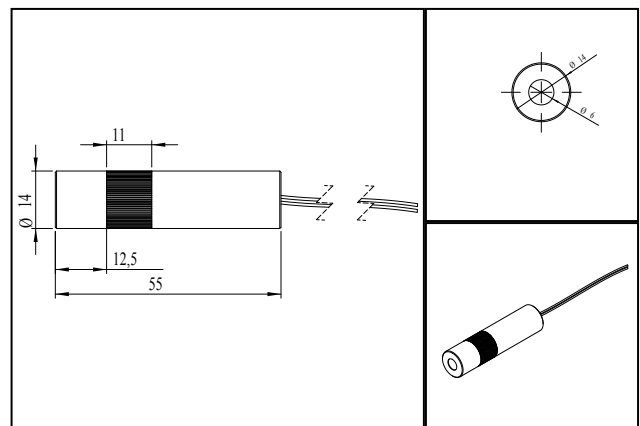
Picture



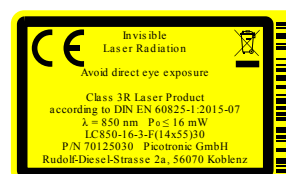
Cable color

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

Drawing



Safety Label



Valid Revision

| 27-AUG-2019