

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

LC850-16-3-F(14x45)30DEG
Order Number: 70115345

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	40	75	115	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	3R
Divergence	C - 0.4 mrad
Fan Angle	30°
Line Thickness	adjustable
Operating Distance	5 m
Optics	glass lens AR coated
Laser technology	diode
Focus	adjustable

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	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	6 mm
Weight	16.5 g

(*) Over the complete operating temperature range

Features



- Adjustable focus
- Operating Voltage 3V DC
- Adjustable focus
- Small fan angle
- Image processing

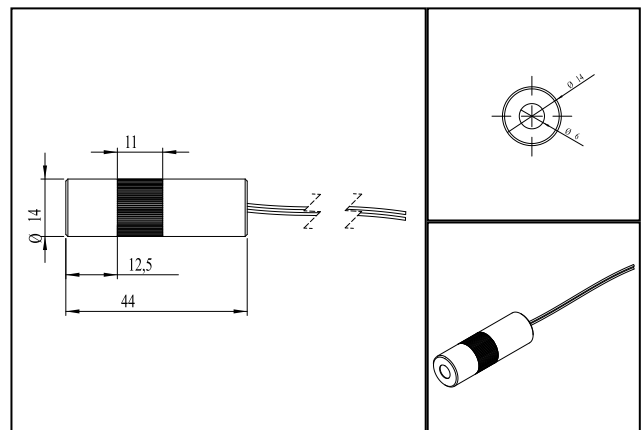
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

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