

Line laser, red, 650nm, 90°, 1mW

LC650-1-3-F(14x45)

Order Number: 70105414

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	25	40	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	C - 0.4mrad
Fan Angle	90°
Line Thickness	adjustable
Operating Distance	2m
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	Ø14x45mm
Material	aluminium
Cable length	100mm
Wire type	26AWG, 0,14mm ²
Output Aperture	6mm
Housing Color	black
Weight	14.5g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features





- Fan angle 90°
- Glas lenses anti reflex coated
- Adjustable focus
- Laser Class 1
- For medical devices

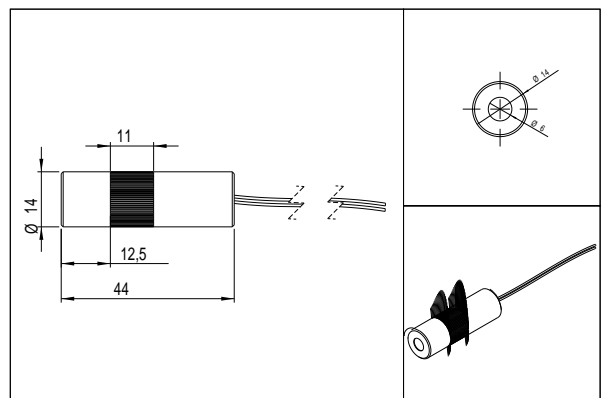
Picture



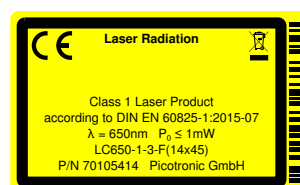
Cable Colors

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

Drawing



Safety Label



Revision

REV 4 | 22-JAN-2016