

Line laser, red, 650nm, 30°, 16mW

LC650-16-3-F(14x55)30

Order Number: 70106848

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		16		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	40	64	100	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>5000h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	2M
Divergence	C - 0.4mrad
Fan Angle	30°
Line Thickness	adjustable
Operating Distance	4m
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	Ø14x55mm
Material	aluminium
Cable length	100mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	3.5mm
Housing Color	black
Weight	16.5g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features



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

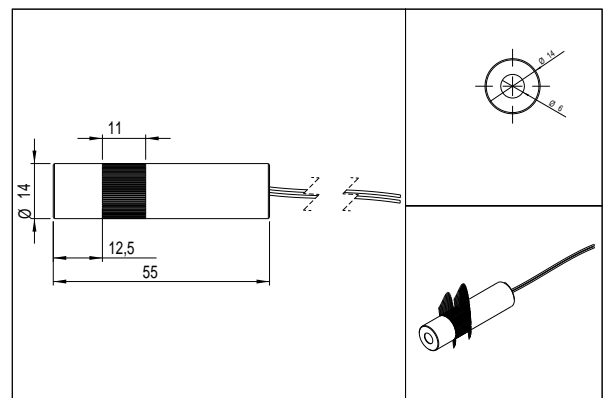
Picture



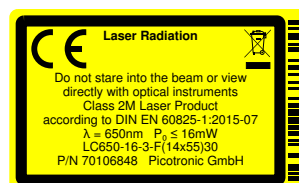
Cable Colors

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

Drawing



Safety Label



Revision

REV 1 | 17-DEC-2018