

Line laser, infrared, 808nm, 90°, 5mW

LC808-5-3-F(14x55)
Order Number: 70110180

Main Parameters (*)	min	typ	max	Unit
Wavelength		808		nm
Optical Output Power		5		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	40	80	120	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	3m
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	4mm
Housing Color	black
Weight	16.5g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Image processing
- Adjustable focus
- Uniform line thickness
- Laser Class 1

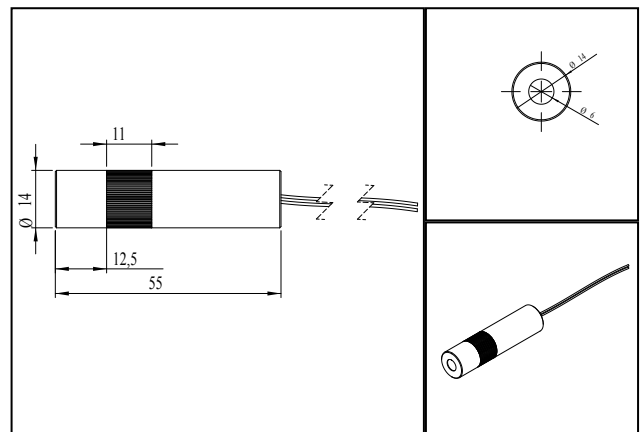
Picture



Cable Colors

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

Drawing



Safety Label



Revision

REV 5 | 05-FEB-2019