

Line laser, red, 650nm, 90°, 5mW

LC650-5-5-F(14x45)-C1000

Order Number: 70106916

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		5		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	25	35	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	3m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable

Electrical Parameters

Potential of Housing	isolated
Connector	2.1 mm DC plug (GND pole inner)

Mechanical Parameters

Size	Ø14x45mm
Material	aluminium
Cable length	1000mm
Wire type	24AWG, black, 3mm
Output Aperture	4mm
Housing Color	black
Weight	18g
Stripping of wire	5mm
Stripping of cable cover	50mm

(*) Over the complete operating temperature range

Features

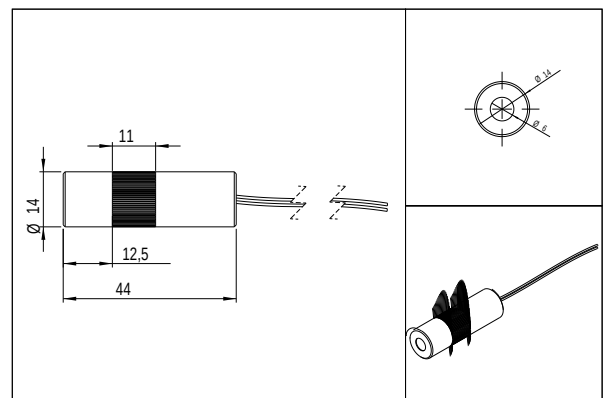
Picture



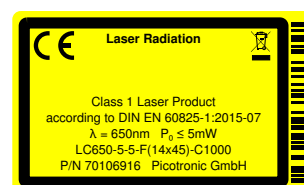
Cable Colors

Ground		black	GND
Positive		white	4.5 - 5.5, typ 5V DC

Drawing



Safety Label



Revision

REV 2 | 09-JAN-2018