

Line laser, red, 650nm, 90°, 16mW

LH650-16-3(14x45)-C1500

Order Number: 70105667

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	65	85	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>5000h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	2
Divergence	H - 1.0mrad
Fan Angle	90°
Line Thickness	<1.5mm@3m
Operating Distance	5m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (3000mm)

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

Mechanical Parameters

Size	Ø14x45mm
Material	aluminium
Cable length	1500mm
Wire type	22AWG, black, 3,6mm
Output Aperture	5.5mm
Housing Color	black
Weight	49.1g
Stripping of wire	5mm
Stripping of cable cover	50mm

(*) Over the complete operating temperature range

Features





- High power
- Uniform line thickness
- Operating Voltage 3V DC
- Laser Class 2
- Fan angle 90°

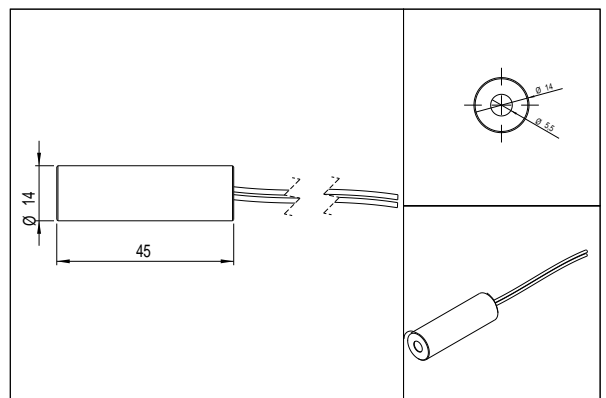
Picture



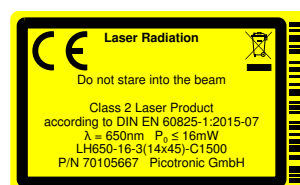
Cable Colors

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

Drawing



Safety Label



Revision

REV 8 | 09-JAN-2018