

Line laser, red, 635nm, 45°, 16mW

LE635-16-5(12x32)45DEG-F3000

Order Number: 70118582

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		16		mW
Operating Voltage	4.7	5	5.3	V DC
Operating Current	60	90	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	2
Divergence	E - 0.6mrad
Fan Angle	45°
Line Thickness	<1.5mm@3m
Operating Distance	3m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (3000mm)

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-5

Mechanical Parameters

Size	Ø12x32mm
Material	aluminium
Cable length	100mm
Wire type	26AWG, 0,14mm ²
Housing Color	black
Weight	9g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features



- Uniform illumination
- Uniform line thickness
- High power
- Laser Class 2

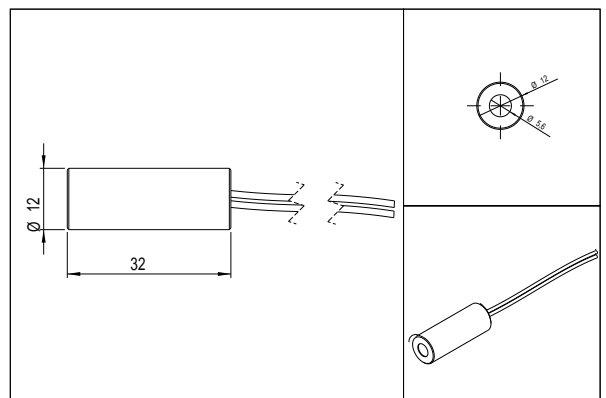
Picture



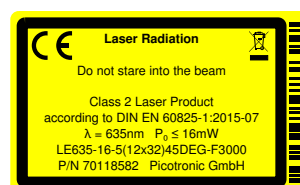
Cable Colors

Ground		black	GND
Positive		red	4.7 - 5.3, typ 5V DC

Drawing



Safety Label



Revision

REV 0 | 22-FEB-2016