

Line laser, red, 635nm, 39°, 5mW

LH635-5-3(12x32)39DEG

Order Number: 70107609

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		5		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	20	38	75	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	H - 1.0mrad
Fan Angle	39°
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-3

Mechanical Parameters

Size	Ø12x32mm
Material	aluminium
Cable length	100mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	5.5mm
Housing Color	black
Weight	14.5g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features




- Operating Voltage 3V DC
- Laser Class 1
- Fan angle 39°
- Uniform line thickness
- Compact size

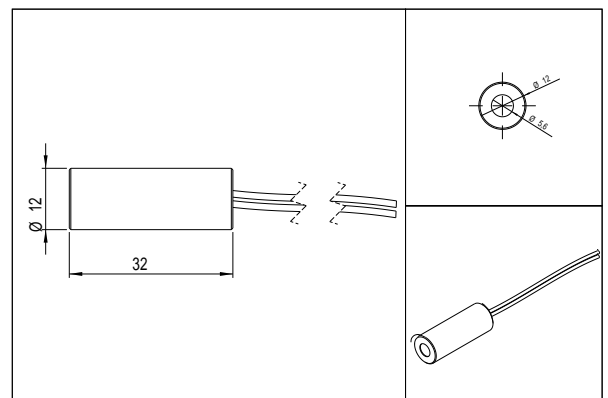
Picture



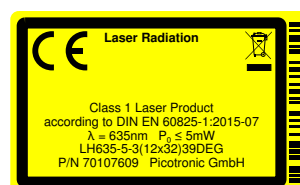
Cable Colors

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

Drawing



Safety Label



Revision

REV 4 | 11-JAN-2012