

Red Line Lasermodule

LH635-2.5-3(12x32)

Order Number: 70101690

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		2.5		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	20	30	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	1mrad
Fan Angle	90°
Line Thickness	<1.5mm@1.5m
Operating Distance	1.5m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (1500mm)

Technical Parameters

Lifetime	>5000h
RoHS	yes

Electrical Parameters

Potential of Housing	isolated
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Mechanical Parameters

Size	Ø12x32mm
Material	aluminium
Cable length	100mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	4.5mm
Housing Color	black
Weight	7g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features




- Operating Voltage 3V DC
- Laser Class 1
- Fan angle 90°
- Fixed focus
- Compact size

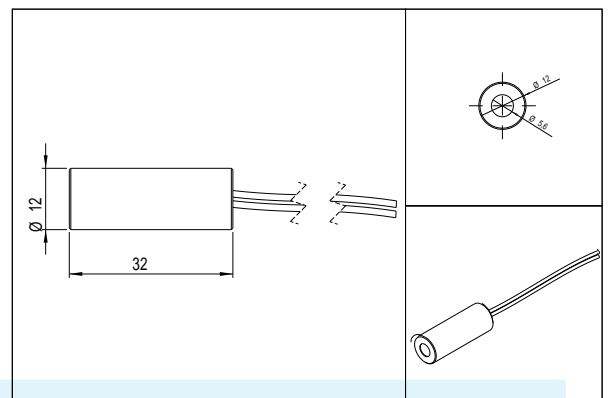
Picture



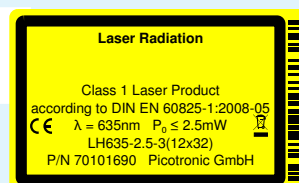
Cable Colors

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

Drawing



Safety Label



Revision

REV 4 | 30-JUL-2014