

Red Line Lasermodule

LD635-2.2-5(12x32)-F1000-C160

Order Number: 70116656

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power		2.2		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	20	35	50	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	0.5mrad
Fan Angle	90°
Line Thickness	<1mm@1m
Operating Distance	1m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (1000mm)

Technical Parameters

Lifetime	>5000h
RoHS	yes

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-5

Mechanical Parameters

Size	Ø12x32mm
Material	aluminium
Cable length	160mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	5.5mm
Housing Color	black
Weight	18g
Stripping of wire	5mm

(*) Over the complete operating temperature range

Features





- Operating Voltage 5V DC
- Laser Class 1
- Glas lenses anti reflex coated
- Fan angle 90°
- Compact size

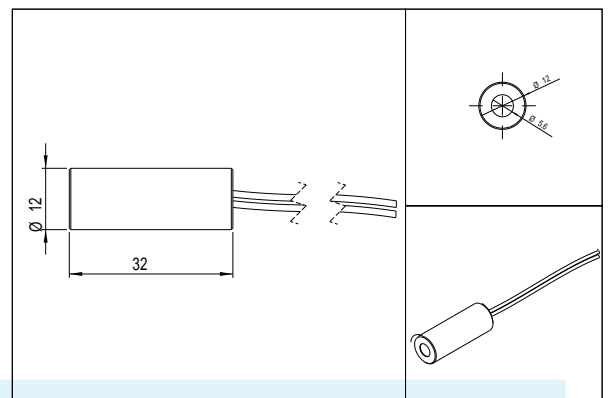
Picture



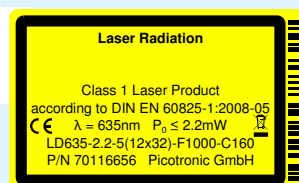
Cable Colors

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

Drawing



Safety Label



Revision

REV 5 | 13-OCT-2014