

Red Line Lasermodule

LH650-16-5(14x45)-70115369

Order Number: 70115369

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		16		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	40	57	80	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Optical Parameters

Beam Shape	Line
Laser Class	2
Divergence	1mrad
Fan Angle	110°
Line Thickness	<1.5mm@1.8m
Operating Distance	1.8m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (1800mm)

Technical Parameters

Lifetime	>5000h
RoHS	yes

Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-5

Mechanical Parameters

Size	Ø14x45mm
Material	aluminium
Cable length	750mm
Wire type	24AWG, black, 3mm
Output Aperture	5.5mm
Housing Color	black
Weight	26g
Stripping of wire	5mm
Stripping of cable cover	50mm

(*) Over the complete operating temperature range

Features



- High Power
- Compact size
- Laser Class 2
- Operating Voltage 5V DC
- Fixed focus

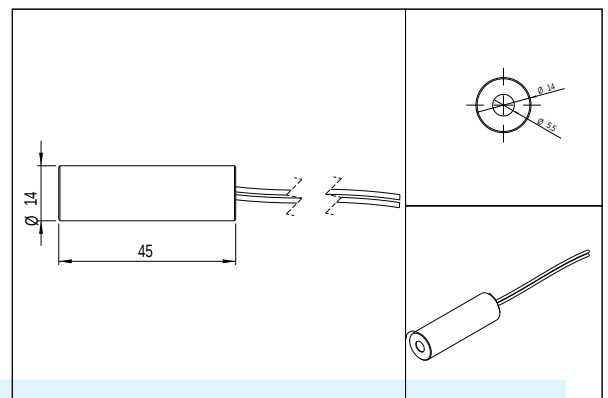
Picture



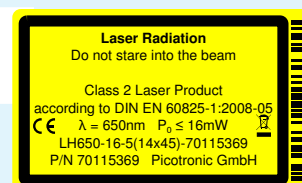
Cable Colors

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

Drawing



Safety Label



Revision

REV 1 | 04-AUG-2014