

Line laser, red, 650 nm, 90°, 16 mW

LH650-16-3(10x35)-F100
Order Number: 70116830

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		16		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	30	60	90	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 5,000 h
RoHS yes

Optical Parameters

Beam Shape	Line
Laser Class	2
Divergence	H - 1.0 mrad
Fan Angle	90°
Line Thickness	<0.3mm@0.1m
Operating Distance	0.1 m
Optics	glass lens AR coated
Laser technology	diode
Protection Lens	no
Focus	fixed (100mm)

Electrical Parameters

Potential of Housing isolated

Power Supply
Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

Mechanical Parameters

Size	Ø10x35 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	4.5 mm

Housing Color	black
Weight	18 g
PCB	yes
PCB size	10x40x10 mm

(*) Over the complete operating temperature range

Features



- High Power
- Compact size
- Laser Class 2
- Operating Voltage 3V DC
- Fixed focus

Picture



Cable color

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

Safety Label



Valid Revision

12 | 22-JUL-2020