

Line laser, red, 650 nm, 110°, 3 mW

LH650-3-5-F(12x45)110
Order Number: 70140866

Main Parameters (*)	min	typ	max	Unit
Wavelength	645	650	655	nm
Optical Output Power	2	3	4	mW
Operating Voltage	3	4.5	5	V DC
Operating Current	15	20	30	mA
Operating Temperature	-10		40	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1
Divergence	H - 1.0 mrad
Fan Angle	110°
Line Thickness	adjustable
Operating Distance	0.8m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable

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	Ø12x45 mm
Material	aluminium

Cable length	150 mm
Wire type	24AWG, black, 3mm
Output Aperture	6 mm
Housing Color	black
Weight	7.3 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3-5V DC
- Laser Class 1
- Low cost
- Fan angle 110°
- Compact size

Picture



Cable color

Ground		black	GND
Positive		red	3 - 5, typ 4.5 V DC

Safety Label



Valid Revision

| 23-SEP-2021