

Line laser, red, 650 nm, 110°, 5 mW

LH650-5-6-F(12x36)110
Order Number: 70148190

Main Parameters (*)	min	typ	max	Unit
Wavelength	645	650	655	nm
Optical Output Power	1	5	5	mW
Operating Voltage	3	6	6	V DC
Operating Current	15	20	30	mA
Operating Temperature	-10		50	°C
Storage Temperature	-40		85	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 8,000 h
RoHS	yes

Optical Parameters

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

Electrical Parameters

Potential of Housing	isolated
Connector	2.5 mm DC socket (+ pole inner)
Power Supply	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.
Stripping of cable cover	50 mm

Mechanical Parameters

Size	Ø12x36 mm
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Material	aluminium
Cable length	350 mm
Wire type	22AWG, black, 3,6mm
Output Aperture	6 mm
Housing Color	black
Weight	9.4 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3-6V DC
- Laser Class 1
- Low cost
- Fan angle 110°
- Compact size

Picture



Cable color

Ground		black	GND
Positive		red	3 - 6, typ 6 V DC

Safety Label



Valid Revision

| 30-MAR-2022