

Line laser, red, 650 nm, 20°, 4 mW

LH650-4-5(10X30)20-F100
Order Number: 70155945

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		4		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	30	60	90	mA
Operating Temperature	-20		60	°C
Storage Temperature	-40		85	°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	2
Divergence	H - 1.0 mrad
Fan Angle	20°
Line Thickness	<0.1mm@0.1m, <0.2mm@0.1+/-0.02m
Operating Distance	0.1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed

Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50- 60Hz, Output Power: 3W max.

Mechanical Parameters

Size	Ø10x30 mm
Material	aluminium

Cable length	200 mm
Wire type	28AWG
Output Aperture	3 mm
Housing Color	black
Weight	10 g
Stripping of wire	5 mm

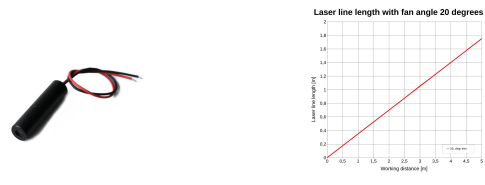
(*) Over the complete operating temperature range

Features



- * Line Width (1/e²) <100µm@100mm
- * Line Width (1/e²) <200µm@100 +/-20mm

Picture



Cable color

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

Safety Label



Valid Revision

| 12-AUG-2022