

Line laser, red, 650 nm, 35°, 5 mW

LC650-5-3(14x55)35-F1400-AP
Order Number: 70138108

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power	3.5	5	7	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	10	35	50	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	1M
Divergence	C - 0.4 mrad
Fan Angle	35°
Line Thickness	<1@1,4m
Operating Distance	3m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Axial Divergence	± 0.5°
Focus	fixed (4.0m)

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	Ø14x55 mm
Material	aluminium

Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	3.5 mm
Housing Color	black
Weight	16.5 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3 V DC
- Small fan angle
- Image processing

Picture



Cable color

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

Safety Label



Valid Revision

| 09-JUN-2021