

Line laser, infrared, 940 nm, 20°, 50 mW

LE940-50-3(20x80)20-C500-F300
Order Number: 70128895

Main Parameters (*)	min	typ	max	Unit
Wavelength		940		nm
Optical Output Power		50		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	150	300	450	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	3R
Divergence	E - 0.6 mrad
Fan Angle	20°
Line Thickness	<1mm@0.3m
Operating Distance	0.3m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (300mm)

Electrical Parameters

Potential of Housing	isolated
Stripping of cable cover	50 mm

Mechanical Parameters

Size	Ø20x80 mm
Material	aluminium
Cable length	500 mm
Wire type	22AWG, black, 3,6mm

Output Aperture	5.5 mm
Housing Color	black
Weight	100 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Laser Class 3R
- Uniform line thickness
- Fixed focus
- Glas lenses anti reflex coated

Picture



Cable color

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

Safety Label



Valid Revision

| 08-MAR-2018