

Line laser, green, 520 nm, 10°, 4 mW

LE520-4-3(12X34)10DEG-F3000-CON
Order Number: 70183962

Main Parameters (*)	min	typ	max	Unit
Wavelength		520		nm
Optical Output Power	3	4	5	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	50	70	80	mA
Operating Temperature	-20		70	°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	E - 0.6 mrad
Fan Angle	10°
Line Thickness	<2.5mm@3m
Operating Distance	3 m
Optics	glass lens AR coated
Laser technology	diode
Protection Lens	yes
Focus	fixed (3000mm)

Electrical Parameters

Potential of Housing	isolated
Connector	2.5 mm DC socket (GND pole inner)
Power Supply	Power Supply, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max, Connector 2,5x5,5x9,5mm center negative

Mechanical Parameters

Size	Ø12x34 mm
Material	aluminium
Cable length	130 mm
Wire type	28AWG, Typ 1571
Output Aperture	6.5 mm
Housing Color	black
Weight	10 g

(*) Over the complete operating temperature range

Features



- Small fan angle
- Laser Class 1M
- Operating Voltage 3 V DC
- Fixed focus
- Max line curvature 0.2%

Picture



Cable color

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

Safety Label



Valid Revision

| 14-MAR-2025