

Line laser, green, 520 nm, 10°, 7 mW

LE520-7-3(12x34)10DEG
Order Number: 70148442

Main Parameters (*)	min	typ	max	Unit
Wavelength		520		nm
Optical Output Power		7		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	80	100	125	mA
Operating Temperature	-20		70	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 5,000 h
RoHS yes

Optical Parameters

Beam Shape	Line
Laser Class	2M
Divergence	E - 0.6 mrad
Fan Angle	10°
Line Thickness	<2.5mm@3.5m
Operating Distance	3.5m
Optics	glass lens AR coated
Laser technology	diode
Protection Lens	yes
Focus	fixed (3.5m)

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 Ø12x34 mm

Material	aluminium
Cable length	120 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	6.5 mm
Housing Color	black
Weight	10 g

(*) Over the complete operating temperature range

Features



- Small fan angle
- Laser Class 2M
- Operating Voltage 3V 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-MAY-2024