

Dot laser, green, 520 nm, 100 mW

E520-100-5(16x25)
Order Number: 70141153

Main Parameters (*)	min	typ	max	Unit
Wavelength	505	520	530	nm
Optical Output Power	80	100	110	mW
Operating Voltage	4	5	6	V DC
Operating Current	100	400	500	mA
Operating Temperature	-20		60	°C
Storage Temperature	-20		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	3R
Divergence	D - 0.5 mrad
Beam Diameter	15 mm
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	diode
Focus	collimated

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	Ø16x25 mm
Material	Brass

Cable length	115 mm
Output Aperture	5 mm
Housing Color	brass
Weight	31.5 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 5 V DC
- Compact size
- Laser Class 3R
- High Power

Picture



Cable color

Ground		black	GND
Positive		red	4 - 6, typ 5 V DC

Safety Label



Valid Revision

| 06-SEP-2023