

Dot laser, green, 520 nm, 1 mW

DA520-1-24(20x80)-QCW
Order Number: 70124507

Main Parameters (*)	min	typ	max	Unit
Wavelength	515	520	525	nm
Optical Output Power		1		mW
Operating Voltage	23.6	24	24.4	V DC
Operating Current	10	50	150	mA
Operating Temperature	-10		60	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 6,000 h
RoHS	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	A - 0.1 mrad
Size of Laserdot	<10mm@40m
Operating Distance	100 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	collimated
internal modulation frequency	1 kHz

Electrical Parameters

Potential of Housing	isolated
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Mechanical Parameters

Size	Ø20x80 mm
Material	aluminium
Cable length	200 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	8 mm
Housing Color	black
Weight	20 g
Protection Class	IP 54
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating voltage 24 V DC
- Laser class 2
- Compact size
- Low divergence
- Direct green

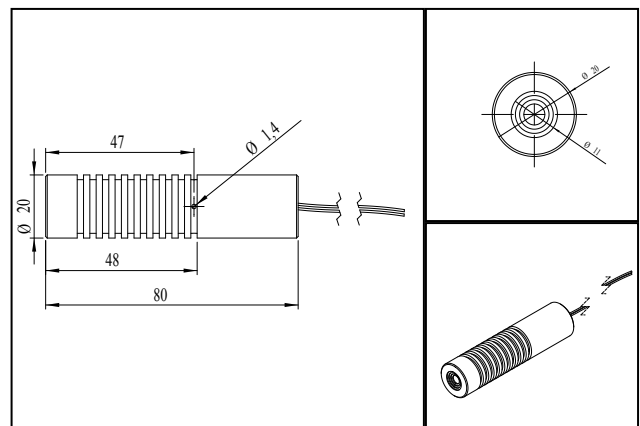
Picture



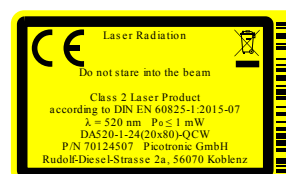
Cable color

Ground		black	GND
positive		red	23.6 - 24.4, typ 24 V DC

Drawing



Safety Label



Valid Revision

| 22-JUL-2020