

Dot laser, green, 520 nm, 1 mW

DB520-1-5(14X45)-F80
Order Number: 70196993

Main Parameters (*)	min	typ	max	Unit
Wavelength		520		nm
Optical Output Power		1		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	20	31	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes
FDA registration	yes

Optical Parameters

Beam Shape	Dot
Laser Class	2
Divergence	B - 0.3 mrad
Beam Diameter	4 mm
Size of Laserdot	4mm@0.08m
Operating Distance	0.08 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (80mm)

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	Ø14x45 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	4 mm
Housing Color	black

Weight	15 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

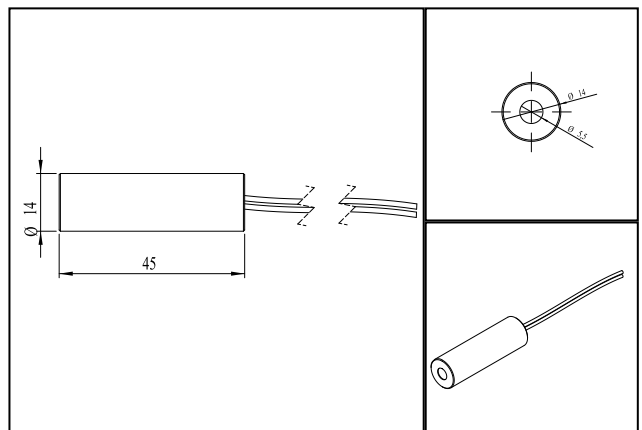
Picture



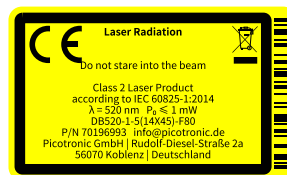
Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5V DC

Drawing



Safety Label



Valid Revision

| 25-AUG-2026