

Dot laser, green, 520 nm, 1 mW

DI520-1-3(8x25)-QCW-1KHZ
Order Number: 70121834

Main Parameters (*)	min	typ	max	Unit
Wavelength	515	520	525	nm
Optical Output Power		1		mW
Operating Voltage	2.4	3	3.3	V DC
Operating Current	40	50	100	mA
Operating Temperature	-10		60	°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	Dot
Laser Class	2
Divergence	1 - 1.5 mrad
Beam Diameter	2 mm
Size of Laserdot	adjustable
Operating Distance	20 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable
internal modulation frequency	1 kHz

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	Ø8x25 mm
Material	aluminium
Cable length	100 mm
Output Aperture	3.5 mm
Housing Color	black
Weight	3 g
PCB	yes
PCB size	18x7x4.5 mm

(*) Over the complete operating temperature range

Features



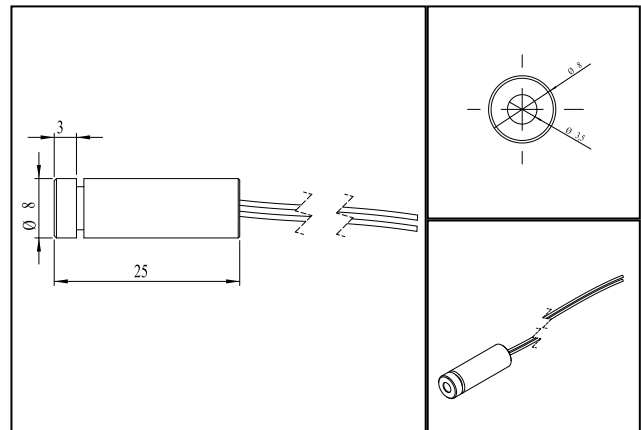
Picture



Cable color

Ground		blue	GND
Positive		red	2.4 - 3.3, typ 3 V DC

Drawing



Safety Label



Valid Revision

| 23-FEB-2021