

Doe laser, green, 520 nm, 37 °, 5 mW

DOE223-520-5-3(16x90)-NT
Order Number: 70119374

Main Parameters (*)	min	typ	max	Unit
Wavelength		520		nm
Optical Output Power		5		mW
Operating Voltage		3		V DC
Operating Current	80	150	200	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	DOE
Laser Class	2M
Divergence	F - 0.7 mrad
Fan Angle	37 °
Operating Distance	2 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Protection Lens	yes
Focus	fixed
internal modulation frequency	1 kHz

Electrical Parameters

Potential of Housing	VDD(+)
Connector	2.5 mm DC plug (GND pole inner)
Power Supply	Power Supply, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max, Connector 2,5x5,5x9,5mm center negative

Mechanical Parameters

Size	Ø16x90 mm
Material	aluminium
Cable length	1,360 mm

Output Aperture	6 mm
Housing Color	cyan
Weight	43 g

DOE

Alpha	16.1 °
Beta	14.4 °
Gamma	11.4 °
Delta	11.4 °
a	28 mm
b	19.9 mm
c	19.9 mm
d	19.9 mm
Diameter (without holder)	8 mm
Width (without Holder)	1 mm
Material	PMMA

(*) Over the complete operating temperature range

Features



Picture



Safety Label



Valid Revision