

## DOE laser, green, 520 nm, 37°, 5 mW

DOE242-520-5-3(16x90)-NT  
Order Number: 70119305

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

### 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	7.1°
Beta	5°
Gamma	0.34°
Delta	5°
a	12.4 mm
b	8.8 mm
c	0.59 mm
d	8.8 mm
Diameter (without holder)	8 mm
Width (without Holder)	1.2 mm
Material	PC

(\*) Over the complete operating temperature range

### Features



### Picture



### Safety Label



### Valid Revision