

**Doe laser, green, 520 nm, 37 °, 5 mW**

DOE233-520-5-3(16x90)-NT  
Order Number: 70119503

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 LFNT-3-C

**Mechanical Parameters**

Size Ø16x90 mm  
Material aluminium  
Cable length 1,360 mm  
Output Aperture 6 mm  
Housing Color cyan  
Weight 43 g

**DOE**

Alpha 30 °  
Beta 21.4 °  
Gamma 3.6 °  
Delta 21.4 °  
a 53 mm  
b 38 mm  
c 6.3 mm  
d 38 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

---

| 27-AUG-2019