

## Doe laser, green, 520 nm, 5 mW

DOE342-520-5-3-F(16x65)-QCW  
Order Number: 70142280

Main Parameters (*)	min	typ	max	Unit
Wavelength	510	520	530	nm
Optical Output Power		5		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	150	180	220	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	1
Divergence	D - 0.5 mrad
Operating Distance	3m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Stability	+/- 3% @ -10-50°C
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	Ø16x65 mm
Material	aluminium
Cable length	100 mm

Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	3 mm
Housing Color	black
Weight	16 g
PCB	no
Stripping of wire	5 mm

(\*) Over the complete operating temperature range

### Features



- With DOE342 (70128345)
- Low Power consumption
- Direct green 520nm
- Laserclass 1

### Picture



### Cable color

Ground		black	GND
Positive		red	2.7 - 3.3, typ 3 V DC

### Safety Label



### Valid Revision

| 02-JUN-2022