

## DOE laser, red, 635 nm, 5 mW

DOE242-635-5-3(16x90)-NT  
Order Number: 70111361

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		5		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	30	60	90	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime > 5,000 h  
RoHS yes

### Optical Parameters

Beam Shape DOE  
Laser Class 2M  
Optics glass lens AR coated  
Laser technology diode  
Protection Lens yes  
Focus fixed

### 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

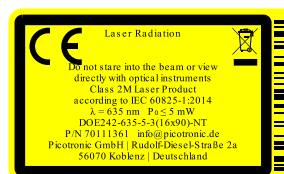


- DOE Laser
- Image processing
- With 230V power supply
- Glas lenses anti reflex coated
- Fixed focus

### Picture



### Safety Label



### Valid Revision

1 | 14-APR-2020