

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

DOE281-635-5-3(16x90)-NT  
Order Number: 70119428

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
Divergence	D - 0.5 mrad
Operating Distance	1 m
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	16°
Beta	1.6°
a	28 mm
b	2.8 mm
Diameter (without holder)	8 mm
Width (without Holder)	1 mm
Material	PMMA

(\*) 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

| 27-AUG-2019