

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

DOE248-635-5-5(10x24)-ADJ  
Order Number: 70133899

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power		5		mW
Operating Voltage	3	5	5	V DC
Operating Current	15	30	70	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

### Main Data

Warranty 1 years

### Technical Parameters

Lifetime >3,000 h  
RoHS yes

### Optical Parameters

Beam Shape	DOE
Laser Class	2M
Divergence	H - 1.0 mrad
Optics	acryl lense
Laser technology	Single Mode Diode
Protection Lens	yes
Focus	adjustable

### Electrical Parameters

Potential of Housing VDD(+)

### Mechanical Parameters

Size	Ø10x24 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	6 mm
Housing Color	brass
Weight	8.5 g
Stripping of wire	5 mm

### DOE

Alpha 8.3°

Beta	8.3°
Gamma	11.8°
Delta	0.36°
a	14.6 mm
b	14.6 mm
c	20.6 mm
d	0.6 mm
Diameter (without holder)	8 mm
Width (without Holder)	1.2 mm
Material	PC

(\*) Over the complete operating temperature range

### Features



### Picture



### Cable color

Ground		black	GND
Positive		red	3 - 5, typ 5 V DC

### Safety Label



### Valid Revision

| 02-SEP-2020