

## Doe laser, red, 635 nm, 18 °, 1 mW

DOE285-635-1-6(10x22)  
Order Number: 70118964

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power		1		mW
Operating Voltage	3	5	6	V DC
Operating Current	20	30	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

### Technical Parameters

Lifetime	>3000 h
RoHS	yes

### Optical Parameters

Beam Shape	DOE
Laser Class	2M
Divergence	H - 1.0 mrad
Fan Angle	18 °
Line Thickness	<1.5mm@0.5m
Operating Distance	0.5 m
Optics	acryl lense
Laser technology	diode
Protection Lens	yes
Focus	fixed (500mm)

### Electrical Parameters

Potential of Housing	VDD(+)
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### Mechanical Parameters

Size	Ø10x22 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	6 mm
Weight	8.5 g

### DOE

Alpha	6.1 °
a	10.7 mm
Diameter (without holder)	8 mm
Width (without Holder)	1.2 mm
Material	PC

(\*) Over the complete operating temperature range

### Features



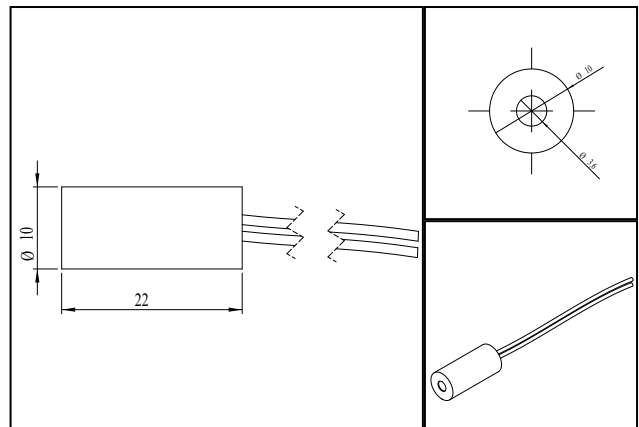
### Picture



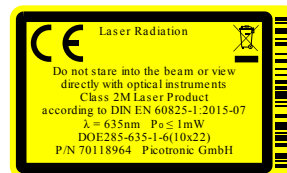
### Cable color

Ground		black	GND
Positive		red	3 - 6, typ 5 V DC

### Drawing



### safety label



### Valid Revision