

## Doe laser, red, 635 nm, 18°, 5 mW

DOE281-635-5-6(10x22)  
Order Number: 70119459

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power		5		mW
Operating Voltage	3	5	6	V DC
Operating Current	25	45	65	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  
Fan Angle 18°  
Line Thickness <2mm@1m  
Operating Distance 1 m  
Optics acryl lense  
Laser technology diode  
Protection Lens yes  
Focus fixed (1000mm)

### Electrical Parameters

Potential of Housing VDD(+)

### Mechanical Parameters

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

### 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



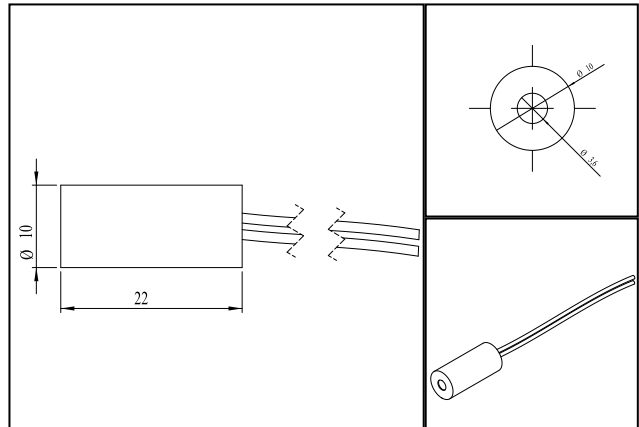
### Picture



### Cable color

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

### Drawing



### Safety Label



### Valid Revision