

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

DOE270-635-5-3-F(12x38)  
Order Number: 70138443

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	1M
Divergence	D - 0.5 mrad
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	diode
Focus	adjustable

### Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

### Mechanical Parameters

Size	Ø12x38 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm <sup>2</sup>
Output Aperture	5 mm
Housing Color	black
Weight	9.5 g

(\*) Over the complete operating temperature range

### Features



- Operating Voltage 3V DC
- Adjustable focus
- DOE optic can be changed
- Compact size
- Glas lenses anti reflex coated

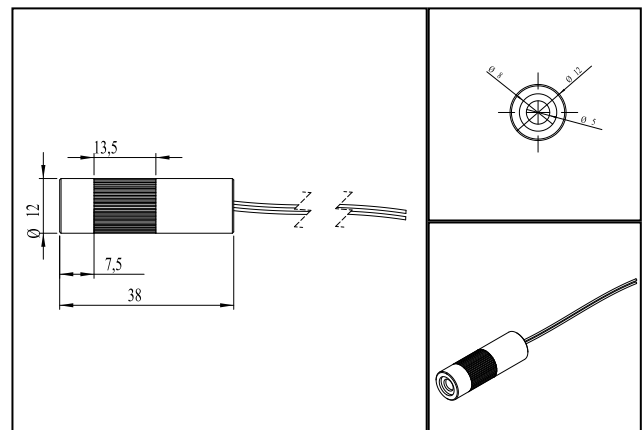
### Picture



### Cable color

Ground		black	GND
Positive		red	2.7 - 3.3, typ 3 V DC

### Drawing



### Safety Label



### Valid Revision

| 10-JUN-2020