

## Dot laser, red, 635 nm, 1 mW

DB635-1-3-FA(14x45)-F7000  
Order Number: 70106664

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		1		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	20	31	45	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 Dot  
Laser Class 2  
Divergence B - 0.3 mrad  
Beam Diameter 5 mm  
Size of Laserdot <2..3mm@7m  
Operating Distance 7 m  
Optics glass lens AR coated  
Laser technology Single Mode Diode  
Focus fixed (7.0m)

### Electrical Parameters

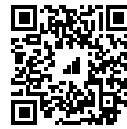
Potential of Housing isolated  
Power Supply LFNT-3

### Mechanical Parameters

Size Ø14x45 mm  
Material aluminium  
Cable length 120 mm  
Wire type 26AWG, 0,14mm<sup>2</sup>  
Output Aperture 5 mm  
Housing Color black  
Weight 15 g  
Stripping of wire 5 mm

(\*) Over the complete operating temperature range

### Features




- Operating Voltage 3 V DC
- Fixed focus
- Image processing
- Compact size
- Laser Class 2

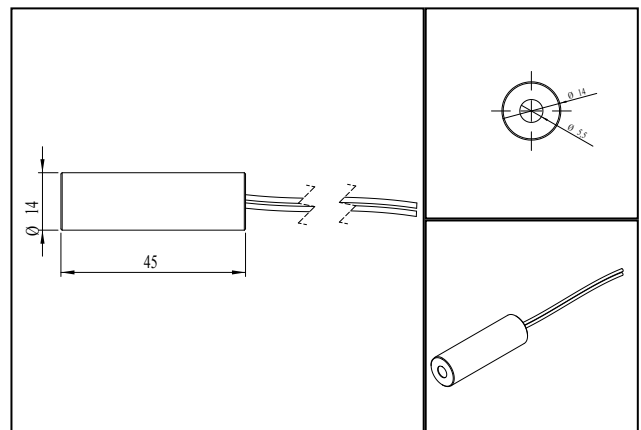
### Picture



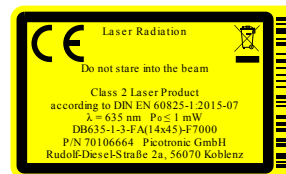
### Cable color

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

### Drawing



### Safety Label



### Valid Revision

8 | 09-SEP-2022

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