

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

DB635-1-3-FA(14x45)  
Order Number: 70100242

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	32	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

### Main Data

Warranty	1 years
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### 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	<3..4mm@10m
Operating Distance	50 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (10.0m)

### Electrical Parameters

Potential of Housing	isolated
Power Supply	LFNT-3

### Mechanical Parameters

Size	Ø14x45 mm
Material	aluminium
Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
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
- Small laser head
- Laser Class 2

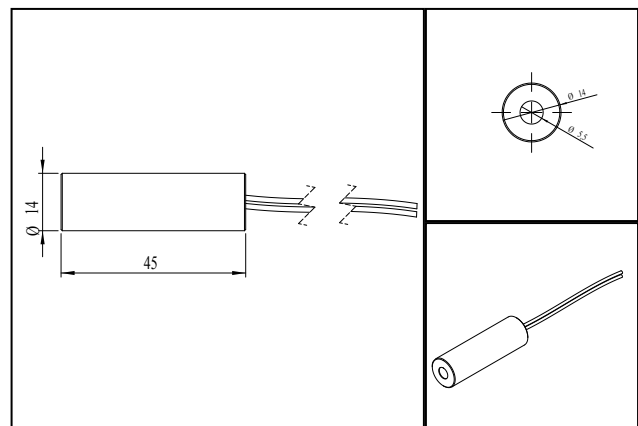
## Picture



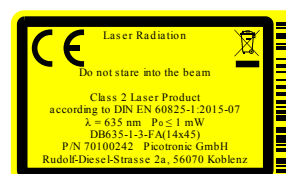
## Cable color

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

## Drawing



## Safety Label



## Valid Revision

5 | 18-MAR-2019