

## Dot laser, red, 635 nm, 0.75 mW

DB635-0.75-3-FA(12x40)-F7000  
Order Number: 70137682

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power	0.6	0.75	0.85	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	3 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	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

### Mechanical Parameters

Size	Ø12x40 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 3V 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

### Safety Label



### Valid Revision

| 25-MAY-2020