

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

Mechanical Parameters

Size Ø14x45 mm
Material aluminium
Cable length 120 mm
Wire type 26AWG, 0,14mm²
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

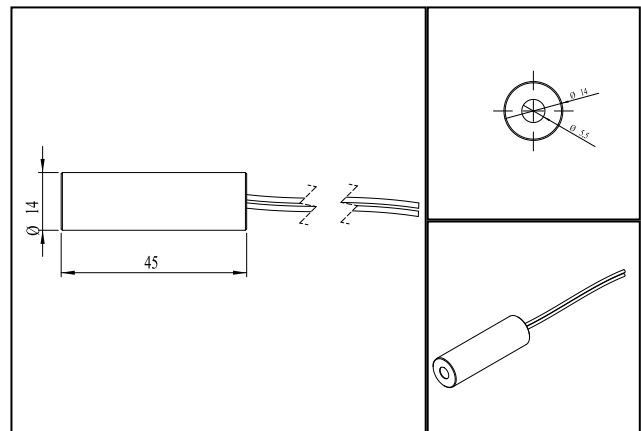
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

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