

Dot laser, red, 635 nm, 1 mW

DB635-1-5(16x80)-F7000
Order Number: 70140880

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power	0.7	1	1	mW
Operating Voltage	3	4	5	V DC
Operating Current	15	25	35	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 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	Ø16x80 mm
Material	aluminium

Cable length	120 mm
Wire type	24AWG, black, 3mm
Output Aperture	5 mm
Housing Color	black
Weight	15 g
Stripping of wire	5 mm

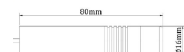
(*) Over the complete operating temperature range

Features



- Operating Voltage 4 V DC
- Fixed focus
- Image processing
- Compact size
- Laser Class 2

Picture



Cable color

Ground		black	GND
Positive		red	3 - 5, typ 4 V DC

Safety Label



Valid Revision

| 03-JUL-2024