

Dot laser, red, 650 nm, 1 mW

DBI650-1-3-FA(12x40)-AP-C1800
Order Number: 70138016

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power	0.6	1	1	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	10	21	30	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
Size of Laserdot	4..5mm@5m
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Axial Divergence	± 0.1°
Focus	collimated

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	1,800 mm
Wire type	18AWG, black, 3,6mm
Output Aperture	5 mm
Housing Color	silver
Weight	44 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Isolated housing
- Laser Class 2
- Fixed focus
- Compact size

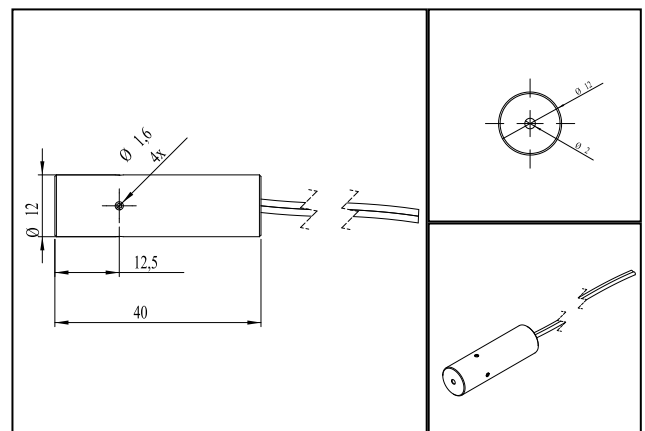
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 12-MAR-2025