

Dot laser, red, 635 nm, 1 mW

DD635-1-3(21X21X50)-AP
Order Number: 70189346

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	15	25	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	D - 0.5 mrad
Beam Diameter	5 mm
Size of Laserdot	<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	21x21x50 mm
Material	aluminium

Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	5 mm
Housing Color	black
Weight	54 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Laser Class 2
- Operating Voltage 3 V DC
- Compact size
- Fixed focus
- Glas lenses anti reflex coated

Picture



Cable color

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

Safety Label



Valid Revision

| 17-JUN-2025