

Dot laser, infrared, 850 nm, 8 mW

AMDA850-8-3(22X65)
Order Number: 70153408

Main Parameters (*)	min	typ	max	Unit
Wavelength		850		nm
Optical Output Power	6	8	10	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	25	50	75	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	3B
Divergence	A - 0.1 mrad
Beam Diameter	8 mm
Size of Laserdot	<9.5mm@40m
Operating Distance	500 m
Optics	glass lens AR coated
Laser technology	diode
Focus	collimated

Electrical Parameters

Potential of Housing	isolated
Cable color power control	Yellow
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	Ø22x65 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm²
Output Aperture	8 mm
Weight	22 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Laser Class 3B
- Compact size
- Fixed focus
- Low power consumption

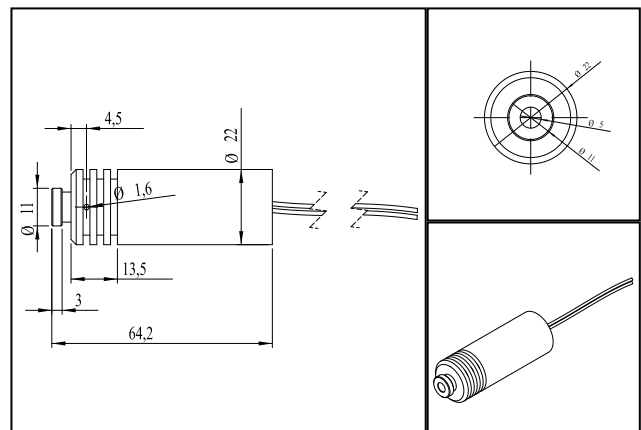
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 12-OCT-2021