

Dot laser, red, 635 nm, 1 mW

DD635-1-5(12x25)-F2500-AP
Order Number: 70139136

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		1		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	31	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	1.5 mm
Size of Laserdot	<1.5mm@2.5m
Operating Distance	2.5 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Axial Divergence	± 0.25 °
Focus	fixed (2500mm)

Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

Mechanical Parameters

Size	Ø12x25 mm
Material	aluminium
Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	5 mm
Housing Color	silver
Weight	7 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Compact size
- Laser Class 2
- Operating Voltage 5V DC
- Glas lenses anti reflex coated
- Image processing

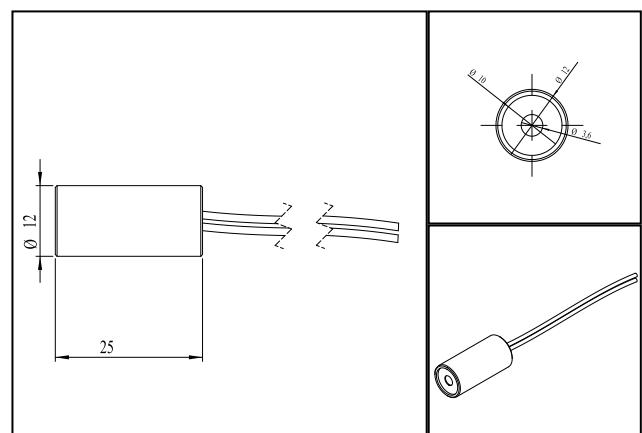
Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC

Drawing



Safety Label



Valid Revision

| 02-FEB-2024