

Doe laser, infrared, 808 nm, 45°, 100 mW

DOE263-808-100-5(16x45)-F500-DOE
Order Number: 70121100

Main Parameters (*)	min	typ	max	Unit
Wavelength		808		nm
Optical Output Power		100		mW
Operating Voltage	4.5	5	5.3	V DC
Operating Current	40	100	150	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	DOE
Laser Class	3R
Divergence	C - 0.4 mrad
Fan Angle	45°
Line Thickness	0.5mm@0.5m
Operating Distance	0.5m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (500mm)

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	Ø16x45 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	4 mm
Weight	30 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 5 V DC
- Image processing
- Adjustable focus
- Uniform line thickness
- Laser Class 3R

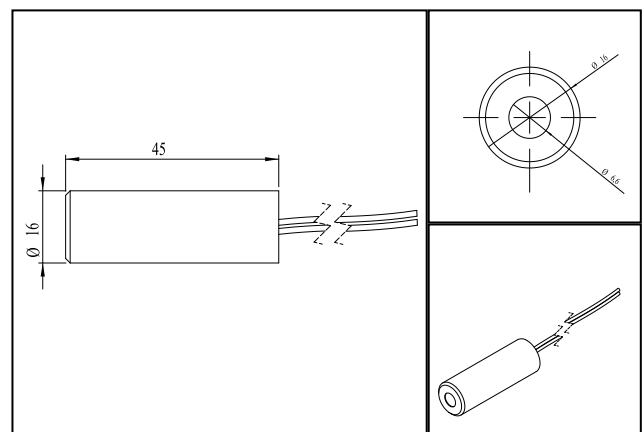
Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.3, typ 5 V DC

Drawing



Safety Label



Valid Revision

| 28-NOV-2013