

Doe laser, red, 635 nm, 1 mW

DOE213-635-1-3(12X38)
Order Number: 70159295

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	28	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	DOE
Laser Class	1
Divergence	D - 0.5 mrad
Operating Distance	4 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	adjustable

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	Ø12x38 mm
Material	aluminium
Cable length	100 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	5 mm
Housing Color	black
Weight	9.5 g
Stripping of wire	5 mm

DOE

Alpha	42°
Beta	30.4°
Gamma	3°
Delta	30.4°

(*) Over the complete operating temperature range

Features



- Laserklasse 2
- Kompakte Bauform
- Verstellbarer Fokus

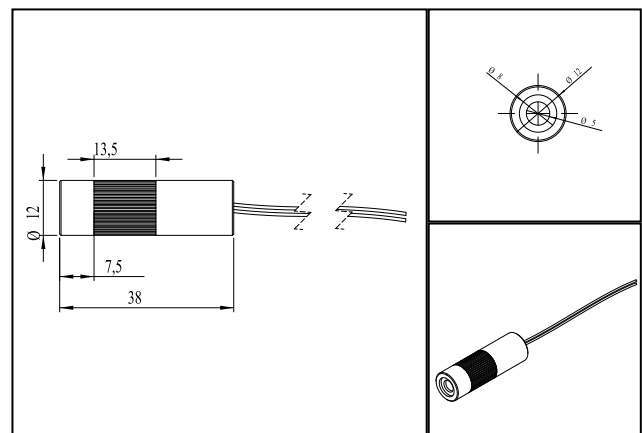
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 20-OCT-2023