

Doe laser, red, 635 nm, 1 mW

DOE256-635-1-6(10x22)
Order Number: 70111873

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power		1		mW
Operating Voltage	3	5	6	V DC
Operating Current	20	30	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Technical Parameters

Lifetime	>3000 h
RoHS	yes

Optical Parameters

Beam Shape	DOE
Laser Class	1
Divergence	H - 1.0 mrad
Optics	acryl lense
Laser technology	diode
Protection Lens	yes
Focus	fixed

Electrical Parameters

Potential of Housing	VDD(+)
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Mechanical Parameters

Size	Ø10x22 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	6 mm
Weight	8.5 g

DOE

Alpha	22.6 °
Beta	22.6 °
Gamma	31.5 °
Delta	0.45 °
a	40 mm
b	40 mm
c	56.4 mm
d	0.8 mm
Diameter (without holder)	8 mm
Width (without Holder)	1.2 mm
Material	PC

(*) Over the complete operating temperature range

Features



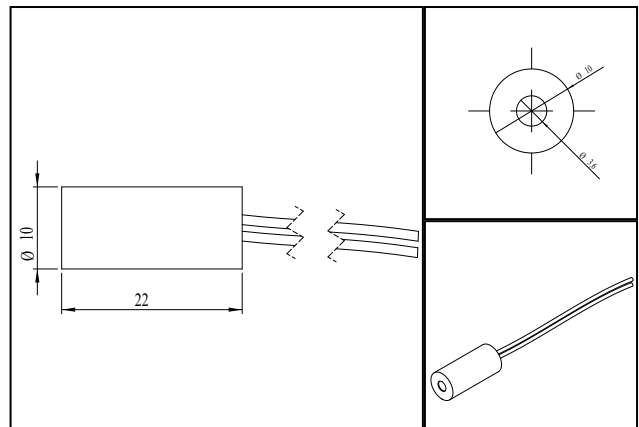
Picture



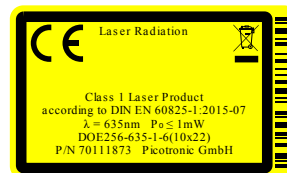
Cable color

Ground		black	GND
Positive		red	3 - 6, typ 5 V DC

Drawing



safety label



Valid Revision

REV 1 | 04-JUL-2017