

Doe laser, red, 635 nm, 18°, 1 mW

DOE287-635-1-6(10x22)
Order Number: 70119060

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

Main Data

Warranty 1 years

Technical Parameters

Lifetime >3,000 h
RoHS yes

Optical Parameters

Beam Shape	DOE
Laser Class	2M
Divergence	H - 1.0 mrad
Fan Angle	18°
Line Thickness	<1.5mm@0.5m
Operating Distance	0.5m
Optics	acryl lense
Laser technology	diode
Protection Lens	yes
Focus	fixed (500mm)

Electrical Parameters

Potential of Housing VDD(+)

Mechanical Parameters

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

DOE

Alpha	44°
a	80 mm
Diameter (without holder)	8 mm
Width (without Holder)	1.2 mm
Material	PC

(*) Over the complete operating temperature range

Features



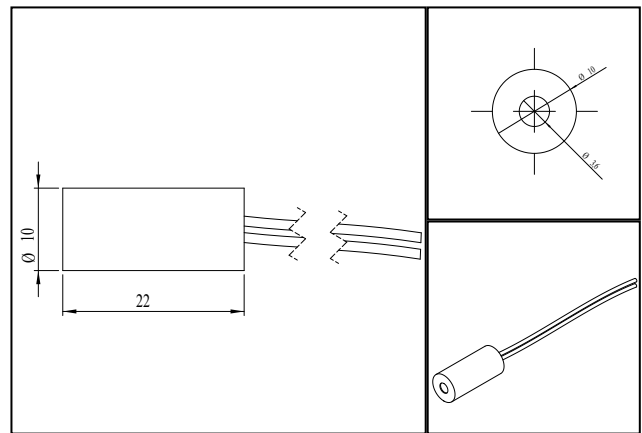
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 18-MAR-2025