

DOE laser, red, 635 nm, 18°, 1 mW

DOE281-635-1-6(10x22)
Order Number: 70119442

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	16°
Beta	1.6°
a	28 mm

b	2.8 mm
Diameter (without holder)	8 mm
Width (without Holder)	1 mm
Material	PMMA

(*) Over the complete operating temperature range

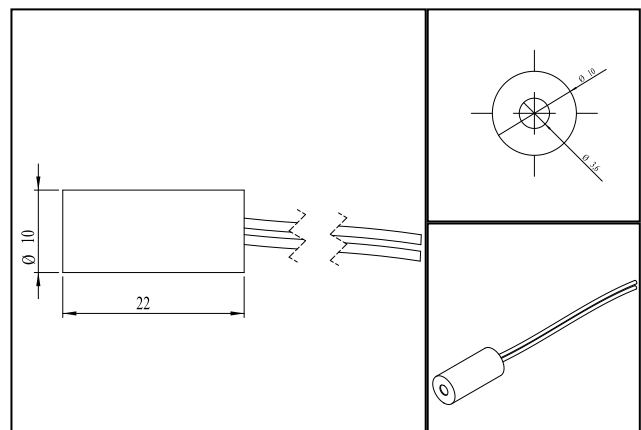
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 28-SEP-2022