

DOE laser, red, 635 nm, 18°, 5 mW

DOE215-635-5-6(10x22)
Order Number: 70112085

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power		5		mW
Operating Voltage	3	5	6	V DC
Operating Current	25	45	65	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	2
Divergence	H - 1.0 mrad
Fan Angle	18°
Line Thickness	<2mm@1m
Operating Distance	1 m
Optics	acryl lense
Laser technology	diode
Protection Lens	yes
Focus	fixed (1000mm)

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	18.2°
Beta	15.1°
Gamma	10.1°
a	32 mm
b	27 mm
c	17.7 mm

Material PC

(*) Over the complete operating temperature range

Features



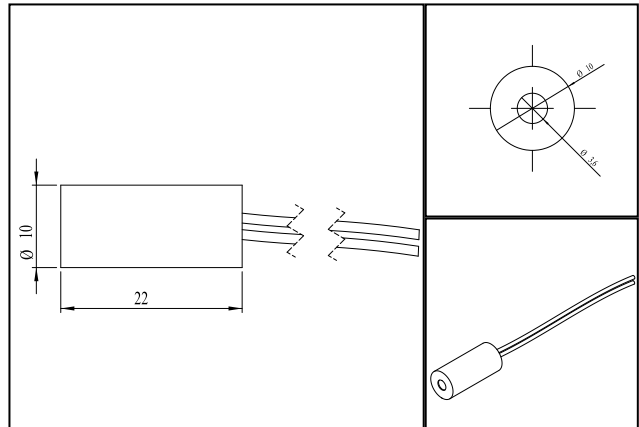
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

0 | 14-JAN-2016