

Doe laser, red, 635 nm, 10 mW

DOE231-635-10-5-F(16X62)
Order Number: 70183030

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Output Power		10		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	10	45	80	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

Technical Parameters

Lifetime > 10,000 h
RoHS yes

Optical Parameters

Beam Shape DOE
Laser Class 2M
Divergence D - 0.5 mrad
Operating Distance 2m
Optics glass lens AR coated
Laser technology Single Mode Diode
Focus adjustable

Electrical Parameters

Potential of Housing isolated
Stripping of cable cover 50 mm

Mechanical Parameters

Size Ø16x62 mm
Material aluminium
Cable length 300 mm
Wire type 18AWG, black, 3,6mm
Output Aperture 5 mm
Housing Color black
Weight 25 g
Stripping of wire 5 mm

DOE

Alpha	7.1 °
Beta	5 °
Gamma	0.05 °
Delta	5 °
Diameter (without holder)	8 mm
Width (without Holder)	1.2 mm
Material	PC

(*) Over the complete operating temperature range

Features



- Operating Voltage 5 V DC
- Adjustable focus
- DOE optic can be changed
- Compact size
- Glas lenses anti reflex coated

Picture



Cable color

Ground		black	GND
Positive		white	4.5 - 5.5, typ 5 V DC

Safety Label



Valid Revision

| 07-JAN-2025