

DOE laser, red, 635 nm, 5 mW

DOE243-635-5-6(10x24)-ADJ
Order Number: 70133905

Main Parameters (*)	min	typ	max	Unit
Wavelength		635		nm
Optical Diode Power		5		mW
Operating Voltage	3	5	6	V DC
Operating Current	15	30	70	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	1M
Divergence	H - 1.0 mrad
Optics	acryl lens
Laser technology	Single Mode Diode
Protection Lens	yes
Focus	adjustable

Electrical Parameters

Potential of Housing VDD(+)

Mechanical Parameters

Size	Ø10x24 mm
Material	Brass
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	6 mm
Housing Color	brass
Weight	8.5 g
Stripping of wire	5 mm

DOE

Alpha 8.3°

Beta	8.3°
Gamma	11.8°
Delta	0.36°
a	14.6 mm
b	14.6 mm
c	20.6 mm
d	0.6 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

Safety Label



Valid Revision

| 15-NOV-2023