

Doe laser, green, 532 nm, 18°, 5 mW

DOE282-532-5-3(16x90)-NT
Order Number: 70119275

Main Parameters (*)	min	typ	max	Unit
Wavelength		532		nm
Optical Output Power		5		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	125	250	375	mA
Operating Temperature	15		30	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	DOE
Laser Class	2M
Divergence	D - 0.5 mrad
Fan Angle	18°
Operating Distance	3 m
Optics	acryl lense
Laser technology	Solid State (YVO4+KTP)
Stability	+/- 20% @ 15-30°C
Protection Lens	yes
Focus	fixed
Warm up time	< 15 min

Electrical Parameters

Potential of Housing	VDD(+)
Connector	2.5 mm DC plug (GND pole inner)
Power Supply	Power Supply, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max, Connector 2,5x5,5x9,5mm center negative

Mechanical Parameters

Size	Ø16x90 mm
Material	aluminium
Cable length	1,360 mm
Output Aperture	6 mm
Housing Color	cyan
Weight	43 g

DOE

Alpha	18.3°
Beta	0.18°
a	33 mm
b	0.3 mm
Diameter (without holder)	8 mm
Width (without Holder)	1 mm
Material	PMMA

(*) Over the complete operating temperature range

Features



- DOE Laser
- Image processing
- Laser Class 2M
- Compact size

Picture



Safety Label



Valid Revision