

Doe laser, green, 520 nm, 5 mW

DOE219-520-5-3-F(16x65)-QCW
Order Number: 70145403

Main Parameters (*)	min	typ	max	Unit
Wavelength	510	520	530	nm
Optical Output Power		5		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	150	180	220	mA
Operating Temperature	-10		60	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 6,000 h
RoHS	yes

Optical Parameters

Beam Shape	DOE
Laser Class	2M
Divergence	D - 0.5 mrad
Operating Distance	3 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Stability	+/- 3% @ -10-50°C
Focus	adjustable
internal modulation frequency	1 kHz

Electrical Parameters

Potential of Housing	isolated
Power Supply	Power Supply with stripped/tinned wires, Output: 3.3V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3.3W max.

Mechanical Parameters

Size	Ø16x65 mm
Material	aluminium
Cable length	100 mm

Wire type	28AWG, Typ 1061, UL1061
Output Aperture	5 mm
Housing Color	black
Weight	24 g
PCB	no
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- With DOE219 (70107937)
- Low Power consumption
- Direct green laserdiode with 520nm
- Laserclass 2M

Picture



Cable color

Ground		black	GND
Positive		red	2.7 - 3.3, typ 3 V DC

Safety Label



Valid Revision

| 28-APR-2020