

Line laser, red, 650 nm, 45°, 5 mW

LD650-5-5(14x45)45DEG-WP
Order Number: 70129410

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power		5		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	15	25	40	mA
Operating Temperature	-20		50	°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	Line
Laser Class	1
Divergence	D - 0.5 mrad
Fan Angle	45°
Line Thickness	<1mm@1m
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Protection Lens	yes
Focus	fixed (1000mm)

Electrical Parameters

Potential of Housing	isolated
Stripping of cable cover	20 mm

Mechanical Parameters

Size	Ø14x45 mm
Material	aluminium
Cable length	300 mm
Wire type	22AWG, black, 3,6mm
Housing Color	black
Weight	7 g
Protection Class	IP67
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Waterproof IP67
- Low power consumption
- Compact size
- Laser Class 1

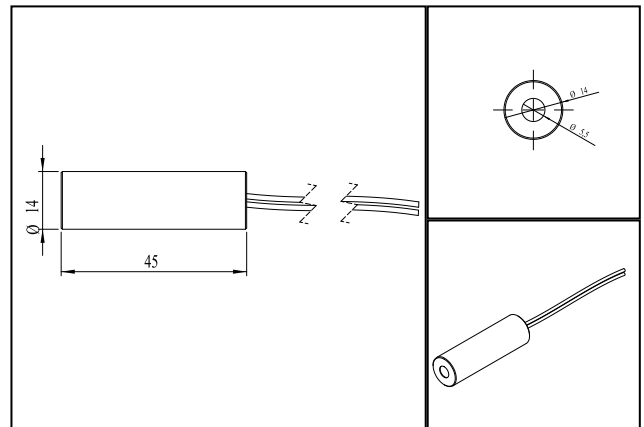
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 17-DEC-2019