

Line laser, red, 650 nm, 10°, 5 mW

LE650-5-3(12x32)10DEG
Order Number: 70105056

Main Parameters (*)	min	typ	max	Unit
Wavelength		650		nm
Optical Output Power	3.7	5	5.5	mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	15	30	45	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
----------	---------

Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	Line
Laser Class	2M
Divergence	E - 0.6 mrad
Fan Angle	10°
Line Thickness	<1.5mm@3m
Operating Distance	10 m
Optics	glass lens AR coated
Laser technology	diode
Protection Lens	yes
Focus	fixed (3000mm)

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	Ø12x32 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm²
Output Aperture	5.5 mm
Housing Color	black
Weight	13.5g

(*) Over the complete operating temperature range

Features



- Small fan angle
- Compact size
- Laser Class 2M
- Operating Voltage 3 V DC
- Fixed focus

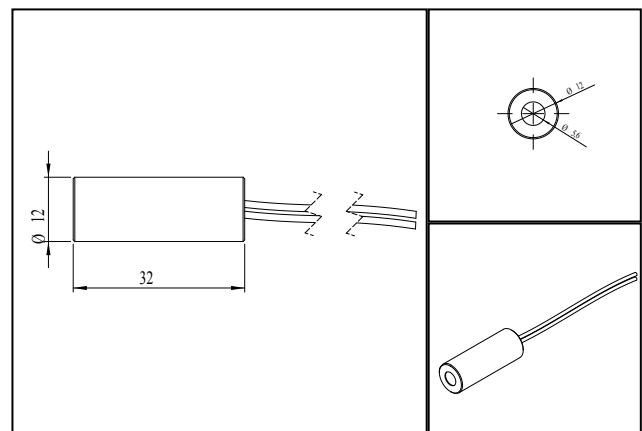
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

21 | 26-APR-2023