

Expander Laser, red, 658 nm, 1 mW

E658-1-3(24x96)-F500
Order Number: 70138801

Main Parameters (*)	min	typ	max	Unit
Wavelength		658		nm
Optical Output Power		1		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
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Technical Parameters

Lifetime	> 5,000 h
RoHS	yes

Optical Parameters

Beam Shape	expander
Laser Class	2M
Beam Diameter	50 mm
Size of Laserdot	50mm@500mm
Operating Distance	0.5 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (500mm)

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	Ø24x96 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²
Output Aperture	20 mm
Weight	75 g

(*) Over the complete operating temperature range

Features



- Operating Voltage 3V DC
- Image processing
- Compact size
- Fixed focus
- Glas lenses anti reflex coated

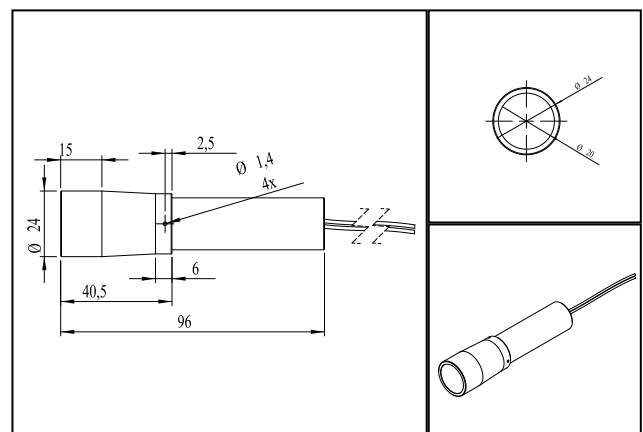
Picture



Cable color

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

Drawing



Safety Label



Valid Revision

| 23-JUL-2020