

Expander Laser, blue, 405 nm, 20 mW

E405-20-5(24x96)
Order Number: 70140392

Main Parameters (*)	min	typ	max	Unit
Wavelength		405		nm
Optical Output Power		20		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	20	35	55	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	3R
Operating Distance	20 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Opt. Power Stability at const. Temp.	< 1 %
Focus	adjustable

Electrical Parameters

Potential of Housing	isolated
Max. Mod. Frequency	20 kHz
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.

Mechanical Parameters

Size	Ø24x96 mm
Material	aluminium
Cable length	200 mm
Wire type	Belden, Typ 1007, 26AWG
Output Aperture	20 mm
Housing Color	black
Weight	75 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Operating Voltage 5V DC
- Image processing
- Laser Class 3R
- Glas lenses anti reflex coated
- Adjustable focus

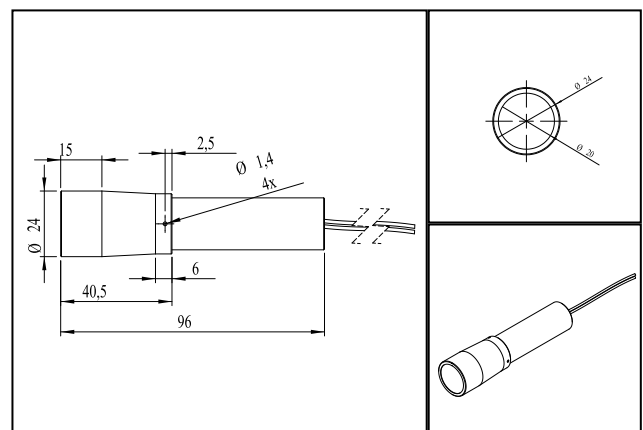
Picture



Cable color

Ground		black	GND
Positive		red	4.5 - 5.5, typ 5 V DC
Modulation		yellow	20 kHz

Drawing



Safety Label



Valid Revision

| 23-JAN-2020