

Expander Laser, infrared, 850 nm, 5 mW

E850-1-2(24x96)APT20-ADJ-NO-D
Order Number: 70138009

Main Parameters (*)	min	typ	max	Unit
Wavelength		850		nm
Optical Diode Power		5		mW
Operating Voltage	1.8	1.8	2.5	V DC
Operating Current	10	20	35	mA
Operating Temperature	-20		60	°C
Storage Temperature	-40		80	°C

Main Data

Warranty	1 years
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Technical Parameters

Lifetime	> 10,000 h
RoHS	yes

Optical Parameters

Beam Shape	expander
Laser Class	3R
Operating Distance	5 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
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Mechanical Parameters

Size	Ø24x96 mm
Material	aluminium
Cable length	300 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 1.8V DC
- Image processing
- Laser Class 3R
- Glas lenses anti reflex coated
- Adjustable focus

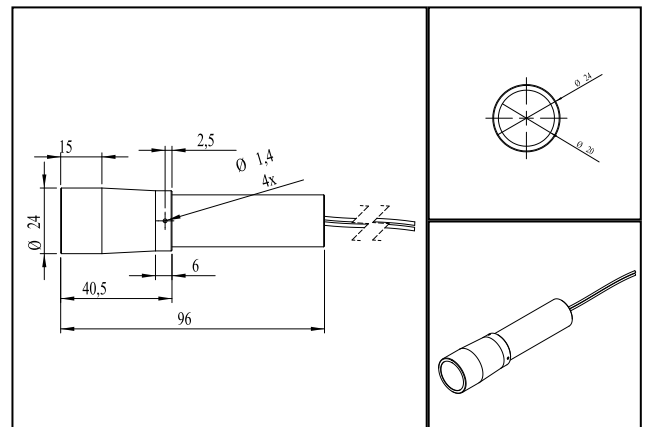
Picture



Cable color

Ground		black	GND
Positive		red	1.8 - 2.5, typ 1.8 V DC
Modulation		yellow	

Drawing



Safety Label



Valid Revision

| 26-JUN-2020