

Expander Laser, infrared, 830 nm, 50 °, 110 mW

EJ830-110-3(9.5x28)-AWL
Order Number: 70123968

Main Parameters (*)	min	typ	max	Unit
Wavelength	825	830	835	nm
Optical Output Power	100	110	120	mW
Operating Voltage	3	3	3	V DC
Operating Current	140	160	180	mA
Operating Temperature	-20		50	°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
Fan Angle	50 °
Size of Laserdot	<400mm@0.3m
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Protection Lens	no
Focus	fixed (300mm)

Electrical Parameters

Potential of Housing	isolated
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Mechanical Parameters

Size	Ø9.5x28 mm
Material	aluminium
Cable length	100 mm
Wire type	26AWG, 0,14mm ²

Output Aperture	4.2 mm
Housing Color	black
Weight	18 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



- Image processing
- Uniform illumination
- Modulated
- Spreading lens
- Compact size

Picture



Cable color

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

Safety Label



Valid Revision

| 12-DEC-2023