

Expander Laser, red, 658 nm, 50°, 100 mW

EJ658-100-3(9.5x28)-AWL-CON
Order Number: 70147537

Main Parameters (*)	min	typ	max	Unit
Wavelength		658		nm
Optical Output Power		100		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	yes
Focus	fixed (300mm)

Electrical Parameters

Potential of Housing	isolated
Connector	2.5 mm DC socket (GND pole inner)

Mechanical Parameters

Size	Ø9.5x28 mm
Material	aluminium
Cable length	100 mm

Wire type	26AWG, 0,14mm²
Output Aperture	4.2 mm
Housing Color	black
Weight	18g

(*) 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

| 20-JUN-2024