

Expander Laser, red, 658 nm, 50°, 10 mW

EJ658-10-3(14X45)50DEG-AWL
Order Number: 70130607

Main Parameters (*)	min	typ	max	Unit
Wavelength		658		nm
Optical Output Power		10		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	50	100	150	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	2M
Fan Angle	50°
Size of Laserdot	<400mm@0.3m
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Focus	fixed (300mm)

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	Ø14x45 mm
Material	aluminium

Cable length	100 mm
Wire type	26AWG, 0,14mm²
Output Aperture	5 mm
Weight	9g

(*) Over the complete operating temperature range

Features



- Operating Voltage 3 V DC
- Image processing
- Uniform illumination
- Compact size
- Laser Class 2M

Picture



Cable color

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

Safety Label



Valid Revision

| 30-APR-2024