

Expander Laser, red, 658 nm, 47°, 100 mW

MEJ658-100-3(14x45)47DEG-AWL
Order Number: 70147650

Main Parameters (*)	min	typ	max	Unit
Wavelength		658		nm
Optical Diode Power		100		mW
Operating Voltage	2.7	3	3.3	V DC
Operating Current	90	135	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	3B
Fan Angle	47°
Size of Laserdot	350mm@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
Max. Mod. Frequency	200 kHz
Stripping of cable cover	50 mm

Mechanical Parameters

Size	Ø14x45 mm
Material	aluminium
Cable length	450 mm
Wire type	RVVP 3x0.2, Shielded Wire
Output Aperture	5 mm
Housing Color	black
Weight	21 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features



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

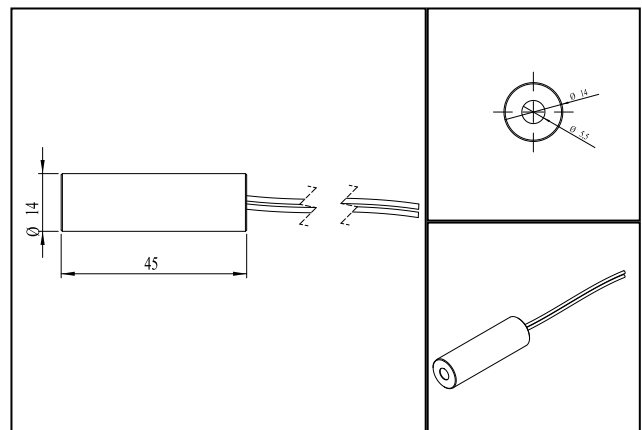
Picture



Cable color

Ground		blue	GND
Positive		red	2.7 - 3.3, typ 3 V DC
Modulation		yellow	200 kHz

Drawing



Safety Label



Valid Revision

| 22-JUN-2020