

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

MEJ658-100-5(14x45)-AWL-1STG-SW
Order Number: 70125771

Main Parameters (*)	min	typ	max	Unit
Wavelength		658		nm
Optical Output Power		100		mW
Operating Voltage	4.5	5	5.5	V DC
Operating Current	90	135	180	mA
Operating Temperature	-20		50	°C
Storage Temperature	-40		80	°C

Main Data

Warranty 1 years

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
Max. Mod. Frequency	200 kHz
Power Supply	Power Supply with stripped/tinned wires, Output: 5V DC, Input: 100-240V AC, 50-60Hz, Output Power: 3W max.
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	18 g
Stripping of wire	5 mm

(*) Over the complete operating temperature range

Features






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

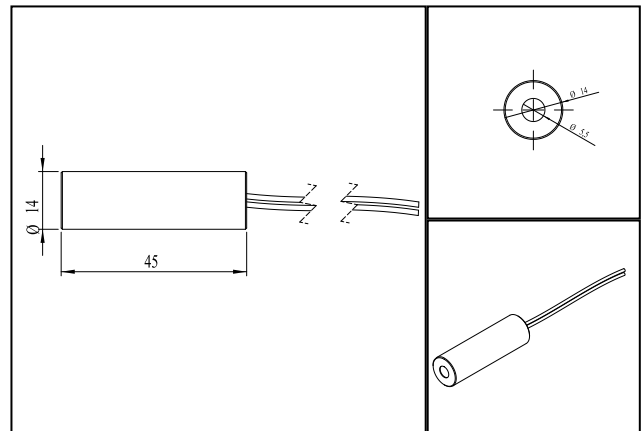
Picture



Cable color

Ground		black	GND
Positive		white	4.5 - 5.5, typ 5 V DC
Modulation		yellow	200 kHz

Drawing



Safety Label



Valid Revision

| 18-JAN-2022