

## Expander Laser, red, 658 nm, 17°, 100 mW

MEJ658-100-5(9.5x20)-No-Optics  
Order Number: 70121544

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		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	17°
Size of Laserdot	50x80mm@0.3m
Operating Distance	1 m
Optics	glass lens AR coated
Laser technology	Single Mode Diode
Protection Lens	no
Focus	(300mm)

### Electrical Parameters

Potential of Housing isolated  
Max. Mod. Frequency 200 kHz

### Mechanical Parameters

Size	Ø9.5x20 mm
Material	aluminium
Cable length	100 mm

Wire type	26AWG, 0,14mm <sup>2</sup>
Weight	18g

(\*) Over the complete operating temperature range

### Features






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

### Picture



### Cable color

Ground		black	GND
Positive		red	4,5 - 5,5, typ 5 V DC
Modulation		yellow	200 kHz

### Safety Label



### Valid Revision

| 23-FEB-2021