

Product Name: MEL-50

Product description: MEL Laser
 With 50mW output Power and divergence Laser beam for Laser cellular biomodulation of inner ear

Datasheet date: 18.06.2025



SPECIFICATIONS/ESPECIFICACIONES

OPTICAL

Wavelength	658nm+/-15
Optical Power	50 mW
Lense	Plan convex with AR coating
Clear aperture	4,5mm
Divergence	Typical X=10º Y=17º

ELECTRICAL

Operation Voltage	3,6V to 5V
Operation Current	100 mA max.
Operation mode	CW
Power satability	< 0,5% variation under t=const.
Battery type	3x AAA or 5V Lithium Battery
Reverse Voltage Protection	Build in

ENVIRONMENTAL

Operation temperature	0 to 50ºC
Storage temperature	-20ºC to 60ºC
Warm up	< 1 sec.
MTTF	>5.000 hrs.

MECHANICAL

Cable length	1m for 5V Lithium Battery
Dimension	15,8mm x 168mm
Weight	80 gr.
Material	Al. Anod. And Stainless Steel