

Technical data sheet

Laser module ML-72S-660-80

For measurements and laboratory applications



Technical data	
Laser module is equipped with internal controller for stabilization of average output power, soft-start system, protection against damage due to reverse polarization of supply voltage and ESD safety system.	
Safety class	3B acc. to PN-EN 60825-1:2014
Wave length	$\lambda = 660 \text{ nm} \pm 10 \text{ nm}$
Optic power	80 mW $\pm 5,0 \text{ mW}$
Power supply	4.5 V – 5.5 V
Current consumption	< 50 mA, Jack socket 5.5/2.1mm
Laser output beam diameter	4.3 mm $\pm 0.5 \text{ mm}$
Beam divergence	< 3 mrad
Lens mount thread dimensions	M12x0,5
Factory focusing length	1.5 m $\pm 0.02 \text{ m}$ (external focus adjustment mechanism)
Housing and dimensions	Aluminium, black $\phi 16 \text{ mm} \times 80 \text{ mm}$
Cable	TLWY 2 x 0.124, length: 0.2 m $\pm 0.01 \text{ m}$
Cable labeling	
Guarantee	2 years

Note:

1. Positive pole of power supply is connected with laser housing.
2. Protect power supply against temporary surges exceeding 6V. In case of power supply from simple mains power supplies, one should first turn on mains power supply and then laser module power supply. Proceed on the contrary in case of turning off.
3. Laser activation with screwed off optic elements imposes serious damage hazard.

Options of execution:

- Other powers, wave lengths
- External or internal modulation
- Optics for wide range applications (divergence $\sim 0.3\text{mRd}$)
- Other supply voltages
- Other mounting brackets (in basic option the module is offered without bracket)
- Mains power supplies for TS-35 strip or for sockets