

Technical data sheet ML-33S-660-80

Universal high-power laser module for industrial 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	660 nm \pm 10 nm
Optic power	80 mW \pm 5,0 mW
Power supply	3.3 VDC – 5 VDC
Current consumption	< 120 mA
Laser output beam diameter	4.3 mm \pm 0.5 mm
Beam divergence	< 1.5 mrad
Factory focusing length	1.5 m \pm 0.02 m
Housing and dimensions	Aluminium, black, dimensions ϕ 20 mm x 78 mm
Cable	Round cable ϕ 4.5 mm LIYY 2 x 0.34
Cable labeling	(-) white, (+) brown
Guarantee	2 years

Note:

1. Negative 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 triggering, external or internal modulation and special executions of optics, incl. line generators of small generation angle