
MLS-6x10-IMO236

Our MLS-6x10 is a diode laser system delivering up to 10 mW of optical power at up to 6 different wavelengths out of a small optical fiber. The system includes up to six pigtailed laser diodes, drivers and control electronics as well as heatsinks. The laser energy is delivered out of a detachable small optical fiber with a 200 micron core diameter and 0.36 Numerical Aperture that connects to the unit through a SMA 905 connector. Each wavelength is controlled by an internal circuit with a front panel knob to adjust the laser output power.

Laser activation of each wavelength can be controlled with either the ON and OFF switch on the front panel or an external TTL modulation signal connected to the BNC connector on the front panel. The turn-on and turn-off response time of the driver circuit is approximately 25 microsec, allowing modulation of the laser output at a maximum frequency of approximately 5 kHz.

Front panel view



Specifications:

Wavelength:	685 nm, 780 nm, 808 nm, 830 nm, 904 nm, 980 nm	Tolerance:	+/- 10 nm
Power:	60 mW MAX	Mode:	Continuous
Laser delivery:	Detachable Fiberoptic cable, 200 micron 0.36 NA.	External MOD:	5 kHz MAX
Width:	19"	Height:	3.5"
Electrical:	90-240 VAC, 50-60 Hz (~1A typical)	Connector:	SMA 905
		Depth:	13.0"
		Weight:	3 lbs

Options:

We can provide a wide choice of wavelengths with any number of wavelengths between 1 and 6. We can also provide a USB computer interface.

Disclaimer:

This laser product is designated solely as an OEM component to be incorporated into another end product. Therefore, it does not comply with the appropriate requirements of FDA 21CFR, section 1040.10 and 1040.11 for complete laser system.