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Raman 785 nm Spectrum Stabilized Multi-Mode Laser, M-Type module, with FC/APC fiber pigtail connectors



(I0785MM0500MS)785 nm Spectrum Stabilized Multi-Mode laser with > 500 mW of fiber coupled output power, packaged in an M-Type module with integral laser drive and TEC control electronics, with FC/APC fiber pigtail connectorized and keyed in the slow axis
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DESCRIPTION

785 nm Spectrum Stabilized Multi-Mode laser with > 500 mW of fiber coupled output power, packaged in an M-Type module with integral laser drive and TEC control electronics, with FC/APC fiber pigtail connectorized and keyed in the slow axis.

Designed for use in the laboratory, the user configurable “M-Type” provides a turn-key solution with integral laser drive and TEC control electronics, and offers the user the ability to adjust the laser drive current from either the front panel or remotely. The module has a digital readout for easy set point adjustment, an independent master power key switch and laser enable switch, a remote interlock, and an Emergency Power Off (EMO) pushbutton. The “M-Type” can be ordered with either an SMA905, FC/PC or FC/APC bulkhead for easy patch cord attachment. The unit comes complete with an integral AC/DC power supply.

Specifications

Dimensions	110 mm x 89 mm x 53 mm
Weight	600 grams
Noise	less than 0.5% RMS
Output fiber	100 μm @ 0.22 NA
Warm-up	15 minutes
Temperature	-10 °C to 40 °C
Stability	less than 3% peak-to-peak in 8 hours
Humidity	5-95% non-condensing
Laser life	10,000 hours
Power consumption	3.0 A @ 5 VDC

Specifications

Power output (CW)	>500 mW
Peak wavelengths	785 +/- 0.3 nm
Spectral line width	0.2 nm (typical)
Rise time	less than 500 msec
Control	TTL modulation -- 0 to 1 kHz
Connector	FC/APC

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