

DIODE LASERS

PLM Series

**Compact Power Stabilized Multimode Series
Multimode UV**



Center Wavelength (+/- 5.0nm) 375 nm

Operating Specifications	Units	Value
Output power*	<i>mW</i>	100-200
Spectral linewidth (typical)	<i>nm</i>	2
Wavelength stability (over 8 hours)	<i>nm</i>	+/- 1
Optical power stability (over 8 hours)	<i>% pk-pk</i>	< 0.4
Noise (10Hz - 100MHz)	<i>% rms</i>	0.2
Adjustable Output Power		10 - 90%

**See Ordering Information for Options*

Electrical Specifications	Units	Value
DC input 1		0.5A @ 9V
DC input 2		2A @ 3V
Warm-up time (typical)	<i>sec</i>	10
Power consumption (typical/max)	<i>W</i>	< 20

Interface - USB & 10-pin I/O connectors

Environmental Specifications	Units	Value
Case temperature*	<i>°C</i>	10 - 40
Humidity (non-condensing)	<i>%</i>	5 - 95

**Must be operated on a heat sink*

Part Number	Fiber Type	Output Power mW
PLM-375.0-MMF	105µm, 0.22nA	> 100
PLM-375.0-FS	(Free-space)	> 200

DIODE LASERS

PLM Series

*Compact Power Stabilized Single-Mode Series
Single Mode UV*



Center Wavelength (+/- 5.0nm) 375 nm

Operating Specifications	Units	Value
Output power*	mW	25-50
Spectral linewidth (typical)	nm	1 - 2
Wavelength stability (over 8 hours)	nm	+/- 1
Optical power stability (over 8 hours)	% pk-pk	< 1
Noise (10Hz - 100MHz)	% rms	0.2
Adjustable Output Power		10 - 90%

*See Ordering Information for Options

Electrical Specifications	Units	Value
DC input 1		0.5A @ 9V
DC input 2		2A @ 3V
Warm-up time (typical)	sec	10
Power consumption (typical/max)	W	< 20

Interface - USB & 10-pin I/O connectors

Environmental Specifications	Units	Value
Case temperature*	°C	10 - 40
Humidity (non-condensing)	%	5 - 95

*Must be operated on a heat sink

Part Number	Fiber Type	Output Power mW
PLM-375.0-SMF	3µm MFD	> 25
PLM-375.0-PMF	2.5µm MFD PANDA	> 20
PLM-375.0-FS	(Free-space)	> 50