



DIODE LASERS

PLM Series

Compact Power Stabilized Multimode Series
Multimode UV



Center Wavelength (+/- 5.0nm) 375 nm

Operating Specifications	Units	Value
Output power*	mW	100-200
Spectral linewidth (typical)	nm	2
Wavelength stability (over 8 hours)	nm	+/- 1
Optical power stability (over 8 hours)	% pk-pk	< 0.4
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-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
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Operating Specifications	Units	Value
<i>Output power*</i>	<i>mW</i>	<i>25-50</i>
<i>Spectral linewidth (typical)</i>	<i>nm</i>	<i>1 - 2</i>
<i>Wavelength stability (over 8 hours)</i>	<i>nm</i>	<i>+/- 1</i>
<i>Optical power stability (over 8 hours)</i>	<i>% pk-pk</i>	<i>< 1</i>
<i>Noise (10Hz - 100MHz)</i>	<i>% rms</i>	<i>0.2</i>
<i>Adjustable Output Power</i>		<i>10 - 90%</i>

*See Ordering Information for Options

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

Interface - USB & 10-pin I/O connectors

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

*Must be operated on a heat sink

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