

PMB



PMG



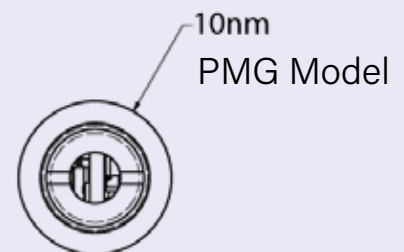
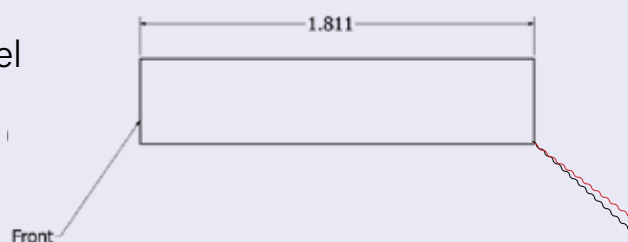
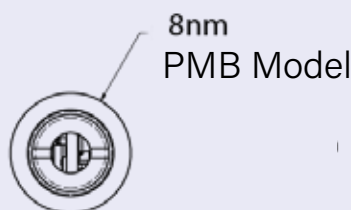
The PMB and PMG lasers diode modules meet users request for small diameter package sizes. The PMB and PMG feature standard wavelengths between 635nm and 850nm with output powers ranging from 1mW to 10mW.

The PMB and PMG lasers provide good wavelength and power stability over time and temperature. Each module come pre-collimated with a user adjustable focusing lens.

If your application requires TTL modulation, this feature is available in our PLA, PLB and PLG products. The diameter of the PLB and PLG are the same as the PMB and PMG.

In addition, Power Technology, Inc. provides custom design and manufacturing services that include high and low volume production, custom engineering, and customized connectors. Find out more by calling us today!

Wavelength	635 nm	650 nm	780 nm	850 nm
Diameter	10mm , 8mm	10mm , 8mm	10mm , 8mm	10mm , 8mm
Power	1 mW, 2 mW, 5 mW, 10 mW	1 mW, 2 mW, 5 mW, 10 mW	1 mW, 2 mW, 5 mW, 10 mW	1 mW, 2 mW, 5 mW, 10 mW
Focus	Collimated	Collimated	Collimated	Collimated
Beam Size (collimated)	0.71 x 3.11 / 0.71 x 3.20	0.80 x 2.58	0.72 x 2.79	1.08 x 2.88
Divergence (collimated)	< 1.2 / < 1.2	< 1.2	< 1.5	< 1.1
Spatial Mode	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀
User Focuseable	Yes	Yes	Yes	Yes
Output Parameter	CW	CW	CW	CW
Operating Voltage	5VDC	5VDC	5VDC	5VDC
Maximum Operating Current (mA)	70 mA	15 mA	40 mA	35 mA
Operating Temperature Range	10 - 35 °C	10 - 35 °C	10 - 35 °C	10 - 35 °C
Storage Temperature	0 - 40 °C	0 - 40 °C	0 - 40 °C	0 - 40 °C



PMG/PMG



PMG/PMG

Mechanical Specifications

Parameter	Type	Unit
Length	46	mm
DIA - 8mm	8	mm
DIA - 10mm	10	mm

Electrical Specifications

Parameter	Min	Max	Unit	Note
Primary Supply Voltage	4.5	5.25	Vdc	
LD Drive Current			mA	Diode dependant

Environmental Specifications

Parameter	Min	Type	Max	Unit
Operating Temperature Range		25		°C
Storage Temperature Range	10		40	°C
CDRH Classification		2, 3R, 3B		Class

Optical Specifications

Parameter	Min	Max	Unit	Note
Wavelength	635	850	nM	Diode dependant
Output Power			mW	As determined by diode equipped

