

WHAT'S YOUR WAVELENGTH?

WE'VE GOT THAT!



## PMB and PMG

### Laser Modules for Applications Requiring Small Package Sizes

#### DESCRIPTION

The PMB and PMG laser diode modules satisfy client requests for small diameter package sizes. The PMB (8 mm diameter) and PMG (10 mm diameter) feature standard wavelengths between 635 nm and 850 nm with output powers ranging from 1 mW to 10 mW. The PMB and PMG lasers provide good wavelength and power stability over time and temperature. Each module comes pre-collimated with 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 respectively.

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

#### APPLICATIONS

- Machine Vision
- Life Sciences
- 3D Scanners
- Automotive
- Dental
- Alignment

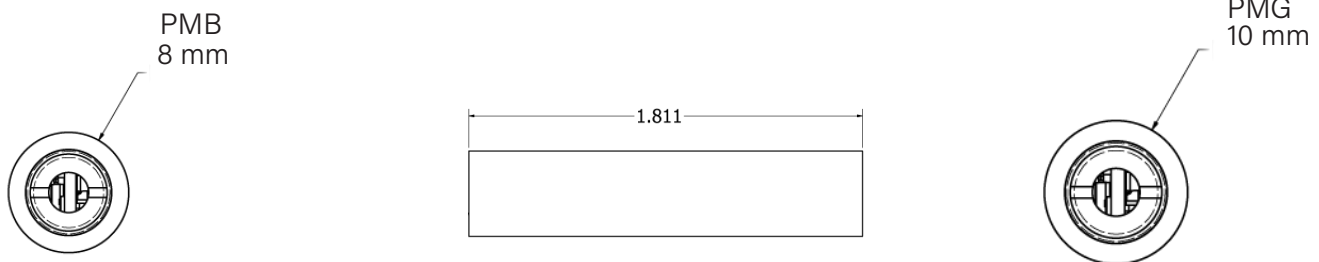
#### FEATURES & BENEFITS

- 8 mm, or 10 mm package
- Reliable wavelength and power stability
- User Focusable

## SPECIFICATIONS

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

## MECHANICAL DRAWINGS



## SAFETY INFORMATION



## COMPLIANT & REGISTERED

