

WHAT'S YOUR WAVELENGTH?

WE'VE GOT THAT!



PLB | PLG | PLA

TTL Modulated Laser Modules

DESCRIPTION

The PLB, PLG, and PLA laser diode modules are perfect for applications requiring slow modulated beams in small diameter package sizes. The PL series feature several standard wavelengths between 635 nm and 850 nm with output powers ranging from 1 mW to 10 mW.

The PL series provides predictable wavelength and power stability. Each laser module comes pre-collimated with a user-adjustable focusing lens.

For customers requiring faster modulation, see our xxx products.

APPLICATIONS

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

FEATURES & BENEFITS

- 8mm, 10mm, or 12.6mm (1/2 inch) package
- Slow TTL Modulation up to 10 kHz
- Focusable

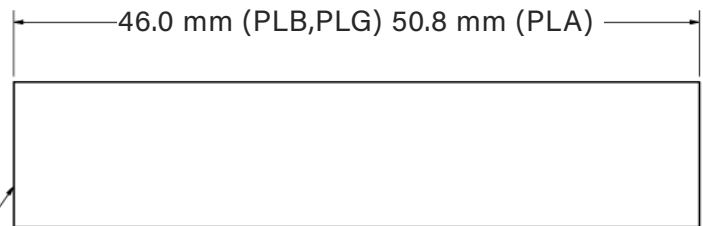
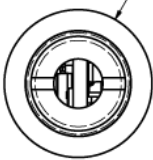
SPECIFICATIONS FOR PLB, PLG, PLA LASER DIODE MODULES

Wavelength (nm)	635	650	780	850
Typical Output Power (mW) at 25° C	1, 2, 5 or 10	1, 2, 5 or 10	1, 2, 5 or 10	1, 2, 5 or 10
Output Parameter	CW	CW	CW	CW
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
Beam Divergence	Collimated	Collimated	Collimated	Collimated
Spatial Mode	TEM ₀₀	TEM ₀₀	TEM ₀₀	TEM ₀₀
User Focusable	Yes	Yes	Yes	Yes
Operating Voltage (VDC)	5	5	5	5
Maximum Operating Current (mA)	70	15	40	35
Diameter (mm)	8, 10, 12.6	8, 10, 12.6	8, 10, 12.6	8, 10, 12.6
Operating Temperature Range (°C)	10 - 35	10 - 35	10 - 35	10 - 35
Storage Temperature (°C)	0 - 40	0 - 40	0 - 40	0 - 40

Note these specifications are preliminary. Contact us for for application specifics.

MECHANICAL DRAWINGS

8 mm, 10 mm, or 12.6 mm



Front

SAFETY WARNINGS



COMPLIANT & REGISTERED



J-STD-001 | 7711/7721 | A-610