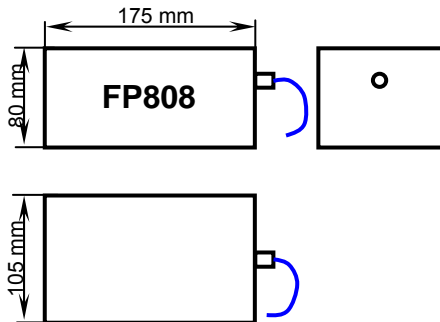




Fiber-Coupled, Computer-Controlled, Near Infrared Laser Diode Module



The FP808 Fiber-Coupled Diode Pump Module is a self contained source of near infrared radiation (808 nm) suitable for a variety of scientific and industrial applications including pumping Nd: YAG lasers, material processing, and medical applications.

This module can be supplied in either of two configurations:

- 6W Average Power air cooled;
- 12W Average Power with additional thermo-electric or water cooling.

Features

- Simple external computer control over the repetition rate and pulse length via the built-in RS232 port
- Repetition Rates of up to 500 Hz

Specifications

Parameter	FP808
Wavelength	808 nm
Pulse Repetition Rate	Up to 500 Hz
Peak/Average Power	60 W/12 W
Pulse Duration	Up to 400 μ s
Duty Factor	\leq 20%
Fiber Output Diameter	600 μ m (optional – 400 μ m)
Numerical Aperture	0.3
Fiber Connector	SMA
External Control (Pulse Repetition Rate, Pulse Duration)	TTL or +4 V \pm 1 V, into 1 k Ω
Control Interface	RS-232
Electrical Power	120 VAC, 47-63 Hz, Single Phase
Power Consumption	20 W
Warm Up Time	< 1 min
Module Dimensions	175 x 105 x 80 mm ³ (6.9 x 4.1 x 3.1 in ³)

All Specifications are Subject to Change without Notice

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