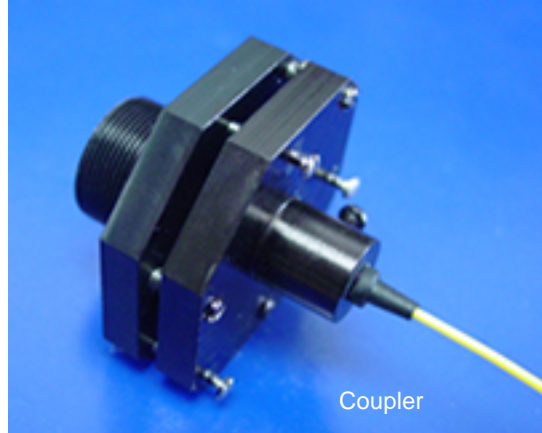




Laser to Fiber Coupler

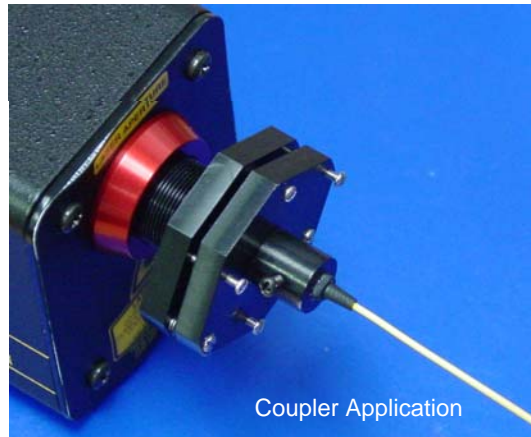


Features

- Low Cost
- Compact
- High Coupling Efficiency
- Adjustable Wavelength Range
- Broad Wavelength Range

Applications

- Laser Systems
- Medical, Chemical, Pharmaceutical Sensors
- Laser Spectroscopy
- Laboratory



Application Notes

AC designs and manufactures a laser to fiber coupler which couples light from a collimated source into a singlemode fiber, a polarization maintaining fiber, or a multimode fiber. It can handle wavelength from 400nm to 1700nm and input power up to CW 10W. The coupler is ideal for He-Ne lasers, Argon Ion lasers, and Nd: YAG lasers etc. The coupling efficiency is typically large than 55% for singlemode and larger than 80% than multimode.

Performance Specifications

Parameters	Specifications
Available Wavelength * (nm)	400 ~1650
Coupling Ratio (%)	>60 For Single-mode and >85 for multi-mode
Extinction Ratio ** (dB)	>20
Return Loss (dB)	>50
Optical Power *** (W)	10 (Maximum)

Preliminary specifications. May change without notice.

* Optimized at designated wavelength.

** For Polarization Maintaining fiber only.

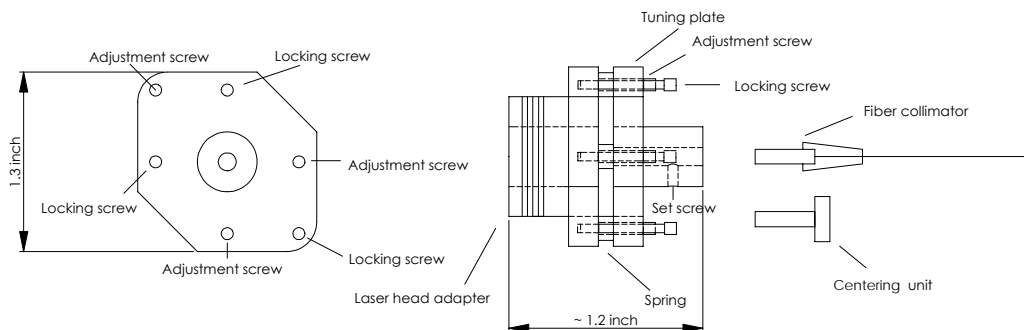
*** Higher power available by special design.



Ordering Information

LC	□ □ □ □	□ □ □	□	□	□ □	□	□ □
	Wavelength	Beam Size	Laser Head Adapter Type	Fiber Type	Fiber Jacket	Fiber Length	In/Out Connector
	0488=488nm 1550=1550nm	036=0.36nm 125=1.25nm	1=1"-32 TPI male adapter 2=3/4"-32 TPI male adapter 3=5/8"-32 TPI male adapter Other available	SM=Singlemode PM=Polarization Maintaining M5=50um Multimode M6=62.5um Multimode	02=250um 04=400um 09=900um 30=3mm	1=1m 2=2m	0=none 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC X=Special

Dimensions



Dimensions may change without notice.

