OZ Optics LIMITED
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HIGH POWER LASER TO FIBER COUPLERS WITH TEMPERATURE CONTROL

FEATURES:

- Very High Power Handling
- High Resolution
- Wide Range of Lenses
- Rugged, Stable Design
- Built-In Peltier Cooler and Fan
- Temperature Sensor and Safety Interlock

APPLICATIONS:

- Laser Welding and Cutting And Marking
- Medical, Chemical, and Pharmaceutical Sensors
- High Power Laser Physics
- High Power Spectroscopy
- OEM Laser Systems

SPECIFICATIONS:

• Coupling Efficiency:	Typically >55% for singlemode and polarization maintaining fibers, >80% for multimode fibers
• Backreflection:	-14dB for receptacle style couplers using flat finish connectors -60dB for receptacle style couplers using angle finish connectors -40dB or -60dB for pigtailed source couplers
• Polarization Extinction Ratio:	>20dB 25dB, 30dB versions are also available
• Available Wavelengths:	180 - 2000nm
• Power Handling:	Up to 5 Watts CW for singlemode applications Over 100 Watts CW for multimode applications. Contact OZ for Pulsed Laser power handling specifications

ORDERING INFORMATION:

HPUC-2X-W-F-f-LH-TE

Receptacle Code:
- 3 for FC, Super FC or Ultra FC
- 3A for Angled FC/PC
- 3AF for Flat Angled FC
- 5 for SMA 905
- 8 for AT&T-ST
- 8U for Ultra AT&T-ST
- SC for SC

See Table 6 of the Standard Tables for other connectors.

Wavelength: Specify in nanometers (Example: 633 for 633nm)

Laser Head Adaptor:
- 1 for 1"-32TPI Male Threaded Adaptor
- 2 for Disk Adaptor with 4 holes on a 1" square
- 11 for Post Mount Adaptor

See Table 8 of the Standard Tables for other adaptors.

Lens ID: See Lens Selection Guide 3 for Non-Contact couplers with receptacles in the Laser to Fiber Coupler Application Notes

Fiber Type:
- M for Multimode
- S for Singlemode
- P for Polarization Maintaining

Add - DR to the part number if a TE driver is required.
Add - PS to the part number if a Power Supply is required.