

# 1406 Large Core Fiber

LCF1002



MM-400

We provides a variety of special multi-mode fiber with refractive index step, which is used to serve the market of fiber coupled semiconductor lasers, single tube lasers, fiber coupling and diode laser to fiber coupling transmission. Power delivery fiber is compatible with the vast majority of fiber used for laser power transmission in the market.

### FEATURES

- Very Low Transmission Loss
- High Power Endurance
- High Compatibility
- High Stability

### USE IN

- Fiber Coupled Diode Laser
- Coupler
- Pump Combiner

Operating Wavelength	800 nm to 1600 nm
Numerical Aperture	0.12±0.02
OH Level	Low
Core Diameter	400±9 μm
Cladding Diameter	440±8 μm
Coating Diameter	625±15 μm
Core/Cladding Concentricity Deviation	5 μm max.
Strength Test Level	100 kpsi (0.7 GN/m <sup>2</sup> ) min.
Coating Material	UV Cured Dual Acrylate
Operating Temperature	-55°C to +85°C