

1412 Large Core Fiber

LCF1000



MM-105

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

- Compatible With Majority Of Fiber-coupled, Diode-laser Packages
- Ease Of Coupling To Pump Diodes
- High Resistance To Optical Damage

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	105±3 μm
Cladding Diameter	125±2 μm
Coating Diameter	245±15 μm
Core/Cladding Concentricity Deviation	3 μm max.
Proofstest Level	100 kpsi (0.7 GN/m ²) min.
Coating Material	Acrylate
Operating Temperature	-40°C to +85°C
Bend Radius	Short Term: 12 mm min.; Long Term: 25 mm min.