

1408 PM Fiber

PMF1007



PLMA-GDF-10/125-M, Double Clad

The fiber is ideally suited for applications spanning military, industrial and medical including linearly polarized fiber lasers and amplifiers. These fibers feature a 10 micron diameter core and 125 (PLMA) or 130 (LMA) micron diameter clad size with a low NA (0.075) core.

FEATURES

- Greater Fiber Durability in Extreme Environmental Operating & Storage Conditions
- LMA Core Design
- “Few” Moded Core Design
- Superior Optical Performance and Uniformity
- Critical for Ensuring Long Term Reliability When Coiling

USE IN

- Pulsed Fiber Lasers and Amplifiers
- Material Processing
- LIDAR
- Non-linear Optics/Frequency
- Doubling

Operating Wavelength	1060 nm to 1600 nm
Core NA	0.075±0.005
First Cladding NA (5%)	0.460 min.
Core Attenuation	40.00 dB/km@1300 nm max.; 20.00 dB/km@1200 nm max.
Cladding Attenuation	15.0 dB/km@1095 nm max.
Birefringence (Normal)	3x10 ⁻⁴ μm
Cladding Diameter	125.0±1.0 μm
Core Diameter	11.0±1.0 μm
Coating Diameter	245.0±10.0 μm
Coating Concentricity	5.0 μm max.
Core/Clad Offset	0.70 μm max.
Proof test Level	100 kpsi min.