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1408 PM Fiber

PMF1009

PM780-HP Fiber

The fibers feature superior optical waveguide performance, irradiation performance, and mechanical performance. The high irradiation resistance of the optical fiber makes the polarization-maintaining optical fiber have a longer service life in low Earth orbit, near space and far space, and when exposed to human-made strong irradiation environment.

FEATURES

- PANDA Structure
- Good Radiation Resistance
- Strict Technical Indicators
- High Prooftest Level
- Higher Sustained Fatigue Resistance

USE IN

- Laser Tail Fiber
- Spectroscopy
- Sensor
- Biomedical Science
- Meteorology

Operating Wavelength	770 nm to 1100 nm
Core	0.12 NA
Mode Field Diameter MFD (Gauss)	5.3±1.0 μm @ 850 nm
Cut off wavelength	710±60 nm
Core Attenuation	4.0 dB/Km max. @ 850nm
Normalized Crosstalk @ 4 m	-40 dB max. @ 850 nm
Beat Length	2.4 mm @ 850 nm
Birefringence (Normal)	3.5x10-4 B
Diameter of Cladding	125.0±1.0 μm
Fiber Core Diameter	4.5 μm
Diameter of Coating Layer	245.0±15.0 μm
Core/Cladding Concentricity Deviation	0.5 μm max.
Concentricity of Coating Layer	5.0 μm max.
Prooftest Level	100 kpsi min.
Coating Material	Acrylate
Operating Temperature	-45°C to +85°C