

Polarization Maintaining Telecommunication Fiber 980nm+

Applications

- Polarization-sensitive components
- High performance transmission laser pigtails
- Pigtail to LiNbO3 FOG chip (IOC)
- Polarization-based sensors

Characteristics

- Excellent polarization maintaining properties
- Tight geometric tolerances and very low attenuation
- Dual-layer UV-Acrylate coating and tight buffering structure
- High environmental stability and reliability



Specifications

Part Number	1104-250
Optical Properties	
Operating Wavelength (nm)	980
Cut-Off Wavelength (nm)	800-970
Mode Field Diameter (μm)	6.5 ± 1.0
Attenuation (dB/km)	≤ 2.5
Beat Length (mm)	3.0 - 5.0
Typical Cross Talk at 4m (dB)	≤ -30
Cross Talk at 100m (dB)	≤ -25
Geometric Properties	
Cladding Diameter (μm)	125 ± 1.0
Coating Diameter (μm)	245.0 ± 7.0
Cladding Non-Circularity (%)	≤ 1.0
Core Concentricity Error (μm)	≤ 1.0
Coating Type	Dual-layer/UV-Acrylate
Environmental and Mechanical	
Operating Temperature Range ($^{\circ}\text{C}$)	-45 to +85
*Proof Test Level (kpsi)	0.70 GN/m ² (100 kpsi)