

Graded Index Multimode Fiber

Applications

- Fiber sensor and laser transmission
- Data communications, local-area networks, CATV
- Medical equipment
- Optical devices and connectors

Characteristics

- High coupling efficiency to LED and laser sources
- High power transmission
- Low attenuation and high bandwidth



Specifications

Part Number	2000-100
Geometric Properties	
Core Diameter (μm)	100 \pm 3
Cladding Diameter (μm)	125 \pm 2
Coating Diameter (μm)	250 \pm 10
Core/Cladding Offset (μm)	\leq 3
Core Non-circularity (%)	\leq 3
Cladding Non-Circularity (%)	\leq 1
Optical Properties	
Numerical Aperture	0.14 \pm 0.02
Attenuation @ 850nm (dB/km)	\leq 6.0
Bandwidth @ 850nm (MHz.km)	\geq 100
Bandwidth @ 1300nm (MHz.km)	\geq 200
Mechanical Properties	
Proof Test Level (kpsi)	100
Material Composition	
Core	Ge/F Doped silica Glass
Cladding	Pure Silica Glass
Coating	Dual-layer UV-Acrylate