

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	2006-105
Geometric Properties	
Core Diameter (μm)	105±3
Cladding Diameter (μm)	125±2
Coating Diameter (μm)	250±20
Core/Cladding Offset (μm)	≤3
Core Non-circularity (%)	≤2
Cladding Non-Circularity (%)	≤1
Optical Properties	
Numerical Aperture	0.30±0.02
Attenuation @ 850nm (dB/km)	≤4.0
Attenuation @ 1300nm (dB/km)	≤1.2
Bandwidth @ 850nm (MHz.km)	≥100
Bandwidth @ 1300nm (MHz.km)	≥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