

Step 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 loss/broad spectrum application from 275~2100nm



Specifications

Part Number	2100-105
Geometric Properties	
Core Diameter (μm)	105 \pm 2
Cladding Diameter (μm)	125 \pm 3
Coating Diameter (μm)	250 \pm 10
Core/Cladding Offset (μm)	\leq 3
Core Non-circularity (%)	\leq 3
Cladding Non-Circularity (%)	\leq 2
Optical Properties	
Numerical Aperture	0.15 \pm 0.02
Attenuation @ 850nm (dB/km)	\leq 8.0
Attenuation @ 1300nm (dB/km)	\leq 3.0
Mechanical Properties	
Proof Test Level (kpsi)	100
Material Composition	
Core	Pure Silica Glass
Cladding	F Doped Silica Glass
Coating	Dual-layer UV-Acrylate