

# MULTIMODE MID INFRARED (MIR) FIBERS



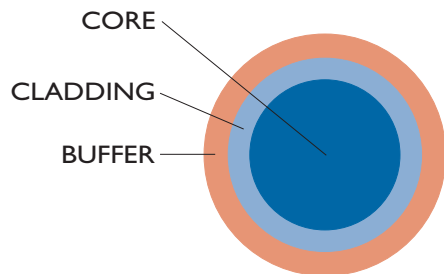
OPERATING SPECTRAL RANGE: 300-5500 NM FOR UV/VIS/NIR/MIR

## FEATURES

- Useful transmission range from 300 nm to 5500 nm
- Excellent spectral uniformity
- High laser damage threshold
- Ideal for Holmium and Erbium laser delivery
- Sterilizable by ETO, e-beam, gamma radiation
- High clad to core ratios available for high efficiency bundles

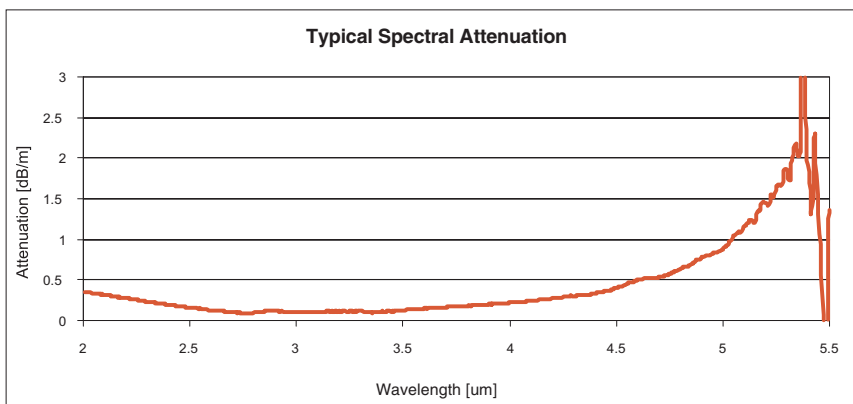
## FIBER PROPERTIES

- Step index profile
- Clad/core ratio: from 1.1 to 2.0
- Core diameter: 85 to 600  $\mu\text{m}$
- Proof test: over 50 kpsi
- Numerical aperture: 0.2 +/- 0.02
- Low attenuation: < 200dB/km in 1.3 to 3.8  $\mu\text{m}$
- Operating temperature: -20°C to 90°C
- Bend radius: < 4 mm (125  $\mu\text{m}$  cladding fiber)



## APPLICATIONS

- Remote spectroscopy
- Chemical sensing
- Medical diagnostics
- Laser beam delivery
- FLIR
- Pyrometry



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