



**AFS105/125Y**

### Description

Thorlabs' low loss, step-index, multimode fiber is excellent for holmium and erbium laser delivery. The low hydroxyl ion content provides high transmission efficiency and has a useful spectral transmission range from 400 to 2400 nm.

### Specifications

Geometrical & Mechanical	
Core Diameter	105 $\mu\text{m} \pm 2\%$
Cladding Diameter	125 +1 / -3 $\mu\text{m}$
Coating Diameter	250 $\mu\text{m} \pm 5\%$
Core/Clad Ratio	1.2
Coating Material	Acrylate
Operating Temperature	-40 to 85 $^{\circ}\text{C}$
Minimum Bend Radius	120 x Clad (Recommended Short Term) 240 x Clad (Recommended Long Term)
Proof Test Level (bend method)	100 kpsi

Optical	
Numerical Aperture	0.22 $\pm$ 0.02
Attenuation	15 dB/km @ 633 nm 10 dB/km @ 1385 nm



### Performance Plots

