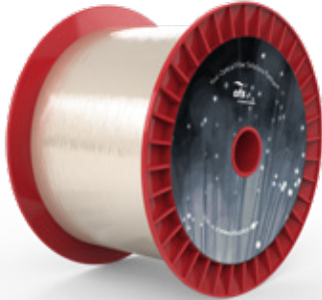




## Raman Optical Fiber 125 $\mu\text{m}$

P/N: 36736



### Overview

OFS Raman Fiber 125  $\mu\text{m}$  is specifically designed for applications where a high Raman gain efficiency is required. The fiber is designed with a high index core and a small effective area which yields a high Raman gain efficiency.

With appropriate choice of pump wavelength, the Raman fiber can provide gain at any wavelength from 1100 to 1700 nm. Additionally, it offers bending performance, good splicing properties and low attenuation at the water peak.

### Typical Applications

Discrete Broadband  
Raman Amplifiers  
Raman Lasers



# Raman Optical Fiber 125 $\mu\text{m}$

P/N: 36736

Product Specifications	
Product Description	Raman Optical Fiber 125 $\mu\text{m}$
Physical Characteristics	
Cladding Diameter	125 $\pm$ 1.0 $\mu\text{m}$
Coating Diameter	200 $\pm$ 10 $\mu\text{m}$
Clad Non-Circularity	$\leq$ 1.0%
Core Eccentricity	< 0.6 $\mu\text{m}$
Optical Characteristics	
Type	Non-Standard
Cutoff Wavelength	$\leq$ 1050 nm
Effective Area @ 1450 nm	16.1 $\pm$ 1.5 $\mu\text{m}^2$
Effective Area @ 1550 nm	18.7 $\pm$ 1.5 $\mu\text{m}^2$
Attenuation @ 1450 nm (Maximum)	0.46 dB/km
Attenuation @ 1550 nm (Maximum)	0.36 dB/km
Attenuation @ 1450 nm (Typical)	0.43 dB/km
Attenuation @ 1550 nm (Typical)	0.33 dB/km
Polarization Mode Dispersion (PMD) (Typical)	0.05 ps/km <sup>0.5</sup>
Polarization Mode Dispersion (PMD) (Maximum)	<0.5 ps/km <sup>0.5</sup>
PM or non-PM	Non-PM
Peak Raman Gain Efficiency (Typical)	2.5 (W·km) <sup>-1</sup>
Mechanical and Environmental	
Operating Temperature	-40 to +85 $^{\circ}\text{C}$
Proof Test Level	$\geq$ 200 kpsi (1.38 GPa)
Order by Part Number	36736

**For additional information please contact your sales representative.**

You can also visit our website at [www.ofsoptics.com](http://www.ofsoptics.com)  
or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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