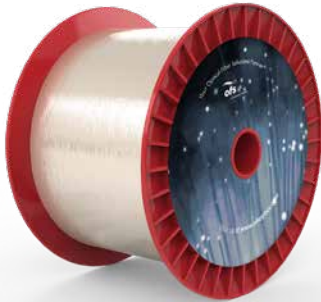




# RightWave® EDF50-PM EC Optical Fiber

P/N: 27281



## Overview

The OFS family of RightWave Erbium-Doped optical fibers offers several polarization maintaining designs. The polarization maintaining property of RightWave EDF50-PM EC is achieved using an elliptical core (EC). It has a peak absorption of 50 dB/m @ 1530 nm.

## Typical Applications

Fiber Lasers and  
Polarization-Maintaining  
Amplifiers

Product Specifications	
Product Description	RightWave EDF50-PM EC Optical Fiber
Physical Characteristics	
Cladding Diameter	125 µm
Coating Diameter	245 µm
Optical Characteristics	
PM Fiber Type	Elliptical Core
Cutoff Wavelength	1260 nm
Peak Absorption @ 1530 nm	50 dB/m
Mode Field Diameter @ 1550 nm	5.4 ± 0.7 µm
Birefringence @ 1550 nm	1 x 10 <sup>-4</sup> (Geometrically Induced from Elliptical Core)
h-parameter of m <sup>-1</sup>	3 x 10 <sup>-4</sup> m <sup>-1</sup>
Numerical Aperture	0.27 ± 0.02
Mechanical and Environmental	
Proof Test Level	200 kpsi
Order by Part Number	27281



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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