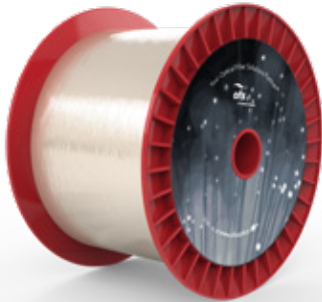


## RightWave® EDF R37103e Optical Fiber

P/N: 27325



### Overview

The RightWave EDF portfolio has a broad EDF product line with each fiber type optimized for different applications.

RightWave EDF R37103e is a L-Band fiber designed specifically for L-band amplifiers operating in the 1565-1610 nm range. The fiber has high efficiency and low noise figure with excellent spectral uniformity, supported by precision characterization in DWDM amplifiers and incorporating the latest improvements in splice performance.

### Typical Applications

DWDM and CATV Systems  
Operating in the L-Band  
Pump Applications at  
980 nm or 1480 nm



A Furukawa Company

# RightWave® EDF R37103e Optical Fiber

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Product Specifications	
Product Description	RightWave EDF R37103e Optical Fiber
<b>Physical Characteristics</b>	
Cladding Diameter	125 µm
Coating Diameter	245 µm
Core Diameter	3.1 µm
Cladding Non-Circularity	< 1%
Core Eccentricity	≤ 0.3 µm
Coating Non-Circularity	< 2.5%
Coating/Cladding Concentricity Error	< 16 µm
<b>Optical Characteristics</b>	
Type	Erbium-Doped Fibers for L-Band
Cutoff Wavelength	940 nm
Peak Absorption @ 1530 nm	18.0 ± 2.0 dB/m
Mode Field Diameter @ 1550 nm	5.3 ± 0.7 µm
PMD (Typical)	2 fs/m
Loss @ 1200 nm	< 10 dB/km
Numerical Aperture	0.25 ± 0.02
PM or SM	SM
<b>Mechanical and Environmental</b>	
Proof Test Level	200 kpsi (1.38 GPa)
Order by Part Number	27325

**OPTIONS:** Coils or Spools, Color-Coded Buffers, Custom Designs, Fibers Available in Long Lengths on Standard Spools, Fibers Available in Predetermined Lengths and Coiled to Given Diameters, Fibers Available with Natural or Colored Buffer, Fibers May be Customized to Suit Your Specific Application

**NOTE:** Compatible with OASiX® Software Package: Accurate prediction of EDF performance is essential to applications design. OFS offers specialized OASiX Amplifier Simulation System Software, which allows the designer to predict EDFA performance at all pump powers for the specific lot of EDF purchased. OASiX is also available in a DLL version for compatibility with external optimization tools.

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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