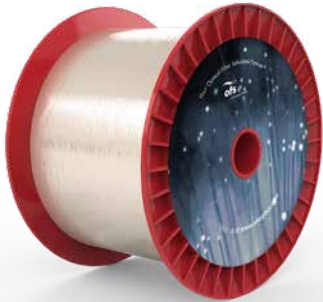




RightWave® EDF High Efficiency HE980 Optical Fiber

P/N: 61380



Overview

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

RightWave EDF High Efficiency HE980 fiber is designed for low to medium pump powers ranging up to 500mW. It is optimized for pre-amplifier stage in a multi-stage amplifier due to low noise figure with moderate gain. The high NA allows for a smaller bend radius.

Typical Applications

CATV Amplifiers

DWDM Amplifiers

Low to Medium Pump Power

Applications in the

125 to 500 mW Range

Single- or Multi-Stage Devices



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Product Specifications	
Product Description	RightWave EDF High Efficiency HE980 Optical Fiber
Optical Characteristics	
Type	Erbium-Doped Fibers for C-Band
Cutoff Wavelength	Typical 910 nm
Peak Absorption @ 1530 nm	4.0 ± 1.0 dB/m
Mode Field Diameter @ 1550 nm	5.1 ± 0.7 µm
PMD (Typical)	< 2 fs/m
Loss @ 1200 nm	< 10 dB/km
Numerical Aperture	0.26 ± 0.02
PM or SM	SM
Physical Characteristics	
Cladding Diameter	125 µm
Coating Diameter	245 µm
Core/Cladding Concentricity Error	< 0.3 µm
Coating/Cladding Concentricity Error	< 15 µm
Mechanical and Environmental	
Proof Test Level	200 kpsi (1.38 GPa)
Order by Part Number	61380
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
or call 1-888-fiberhelp (1-888-342-3743) USA or 1-770-798-5555 outside the USA.



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