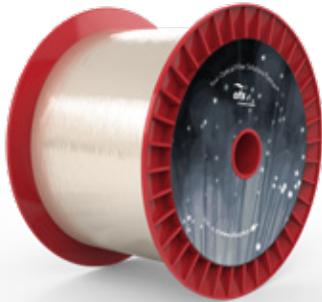


RightWave® EDF MP980 Optical Fiber

P/N: 27299



Overview

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

RightWave EDF MP980 is a medium power fiber designed for many configurations of EDFAs. It can be used as a single-stage amplifier fiber at higher than 100mW pump powers. The most popular fiber type used in EDFA design, due to a well-balanced combination of broadband gain, gain flatness, bend loss and noise figure.

Typical Applications

CATV Amplifiers

DWDM Amplifiers

Single-Stage Amplifiers at
Very High Pump Powers in
Excess of 200 mW



A Furukawa Company

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Product Specifications	
Product Description	RightWave EDF MP980 Optical Fiber
Physical Characteristics	
Cladding Diameter	125 µm
Coating Diameter	245 µm
Aluminum Content (M%) (Typical)	12
Core/Cladding Concentricity Error	< 0.3 µm
Optical Characteristics	
Type	Erbium-Doped
Cutoff Wavelength	800 to 950 nm
Peak Absorption	1530 nm, 6.5 ± 1.0 dB/m
Mode Field Diameter @ 1550 nm	6.2 ± 0.7 µm
PMD (Typical)	≤ 2 fs/m
Loss @ 1200 nm	< 5 dB/km
Numerical Aperture	0.21 ± 0.02
PM or SM	SM
Mechanical and Environmental	
Proof Test Level	≥ 200 kpsi (1.38 GPa)
Order by Part Number	27299

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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