

R37005

Product Description

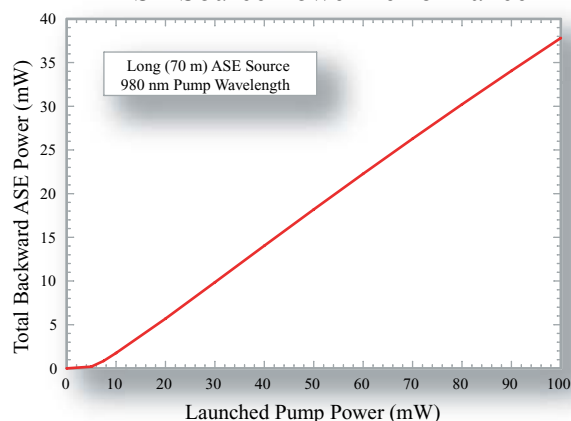
OFS offers a complete line of erbium-doped fibers (EDF) for ASE source applications. For ASE sources, fibers with a high NA and moderate erbium concentration are available. All of our EDF products meet the most stringent standards for performance and reliability.

Uses/Applications

For ASE sources, OFS offers R37005 efficient, high NA fibers. R37005 has standard cladding diameter and for smaller coils. The fibers are used in:

- ASE source applications
- Small form factor ASE sources

ASE Source Power Performance



Features

- Can be pumped at either 980 nm or 1480 nm
- Broadband ASE achieved with high aluminum
- High power conversion efficiency
- Low back-scattering for ASE source stability
- Low splice loss
- Excellent batch-to-batch fiber uniformity
- Low hydrogen sensitivity
- ISO 9000 certified processes
- High strength and reliability

Physical Characteristics

Core Eccentricity	< 0.5 μm
Proof Test	> 200 kpsi

Standard Product Specifications*

R37005	
Application	ASE Source
Co-dopants	La/Al
Peak Absorption, α (dB/m):	
1530 nm	15 - 25
980 nm	—
Numerical Aperature	0.28 \pm 0.02
Cutoff Wavelength (nm)	800 - 1200
Mode Field Diameter (μm)	4.4 - 5.4
Loss at 1200 nm (dB/km)	< 25
Cladding diameter (μm)	125 \pm 1
Coating diameter (μm)	250 \pm 15
* Tighter specifications are available	

Related Product Data Sheets

EDF for Special Amplifier Applications (for very high and very low power applications)

Ordering Information

When ordering, please specify:

Fiber length (meters)

Ordering options:

OASiX[®] Optical Amplifier Simulation System with parameter sets

Value-Added Software Package

Accurate prediction of EDF performance is essential to applications design. To meet this need, OFS offers the OASiX[®] Optical Amplifier Simulation System. This specialized software package allows you to simulate EDFAs and sources in application prototypes. OASiX[®] includes modeling parameters specific to the lot of EDF you purchase.

For additional information or technical assistance, please contact OFS Specialty Photonics Division at:

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