

ER12-6

Er Doped Single Clad Fiber

CorActive's Er-doped single clad fibers offer high QCE values, various doping concentrations, and different optical and geometrical characteristics to suit diverse customer requirements and applications. CorActive's ER12-6 Er-doped single clad fiber features high absorption and high quantum efficiency that make this product the ideal solution for the design of optical telecom amplifiers.

SPECIFICATIONS

Optical

Core Absorption @ 1530nm (dB/m)		12 ± 2
Core Absorption @ 980nm (dB/m)		≥ 7.0
Nominal Core NA		0.22
Cutoff Wavelength (nm)		900 ± 50
Mode Field Diameter (μm)		6.5 ± 0.5

Geometrical&Mechanical

Clad Diameter	μm	125 ± 0.5
Coating Diameter	μm	245 ± 10
Proof Test	kpsi	≥ 100

TYPICAL APPLICATIONS

- Optical Amplifiers
- PON Networks
- CATV/Telecom Applications

ADVANTAGES

- High Absorption
- Low background losses
- High quantum conversion efficiency lowers pump power requirements, reducing overall system costs

RELATED PRODUCTS

- ER8-6

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