

SCF-TM-8/125

Tm Doped Single Clad Fiber

CorActive's Tm-doped single clad fibers offer high doping concentrations and high QCE values that ensure minimum fiber length, minimum pump power and reduced non-linearities.
CorActive's SCF-TM-8/125 Tm-doped single clad fiber features highly efficient energy transfer that makes this product the ideal solution for the design of core-pumped eye-safe fiber lasers and amplifiers.

SPECIFICATIONS

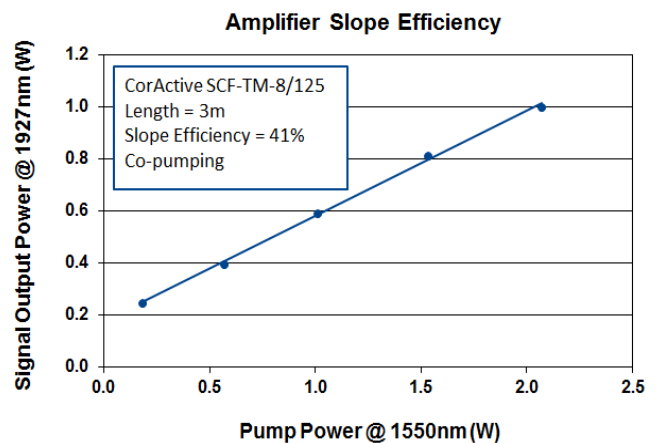
Optical

Core Absorption @ 1567nm	dB/m	13.0 ± 2.0
Core NA		0.17 ± 0.01

Geometrical&Mechanical

Core Diameter	μm	8 ± 1
Core/Clad Concentricity Error	μm	≤ 1.0
Clad Diameter	μm	125 ± 1
Coating Diameter	μm	245 ± 10

PERFORMANCES



TYPICAL APPLICATIONS

- Core pumped eye-safe fiber lasers and amplifiers
- Seed laser
- LIDAR
- Scientific/Research
- Medical

ADVANTAGES

- Singlemode operation for excellent beam quality
- Low splice losses to CorActive matched passive single-clad fiber
- Two-photon cross-relaxation effect leads to very high quantum conversion efficiency, lowering pump power requirements and reducing overall system costs

RELATED PRODUCTS

- Matched single-clad fiber: SCF-UN-8/125-18

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