

DCF-TM-6/128

Tm Doped Double Clad Fiber

CorActive's Tm-doped double clad fibers offer high doping concentrations and high QCE values that ensure minimum fiber length, minimum pump power and reduced non-linearities.
CorActive's DCF-TM-6/128 Tm-doped double clad fiber features highly efficient energy transfer that makes this product the ideal solution for the design of eye-safe fiber lasers and amplifiers.

SPECIFICATIONS

Optical

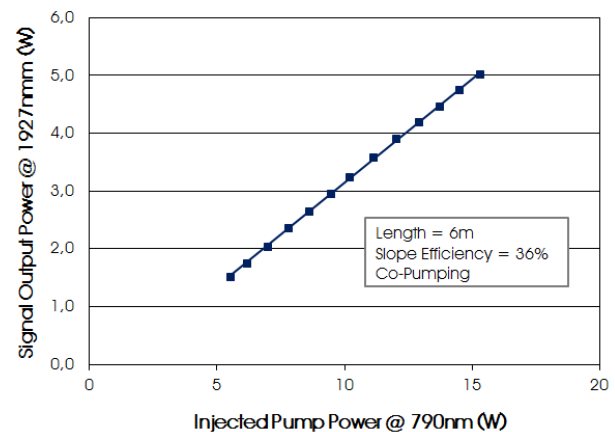
Clad Absorption @ 790nm	dB/m	1.5 ± 0.3
Core NA		0.22 ± 0.02
Clad NA		> 0.45

Geometrical&Mechanical

Core Diameter	μm	6.5 ± 0.5
Core/Clad Concentricity Error	μm	≤ 1.0
Clad Diameter	μm	128 ± 3
Clad Geometry		Octagonal
Coating Diameter	μm	260 ± 20

PERFORMANCES

Laser Slope Efficiency



TYPICAL APPLICATIONS

- Eye-safe fiber lasers and amplifiers
- Scientific/Research
- Medical

ADVANTAGES

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

RELATED PRODUCTS

- Matched double-clad fiber: DCF-UN-6/123-23
- Matched single-clad fiber: SCF-UN-6/125-23

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