

# DCF-TM-10/128

## 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-10/128 Tm-doped double clad fiber features highly efficient energy transfer that makes this product the ideal solution for the design of LIDAR or eye-safe fiber lasers and amplifiers.

### SPECIFICATIONS

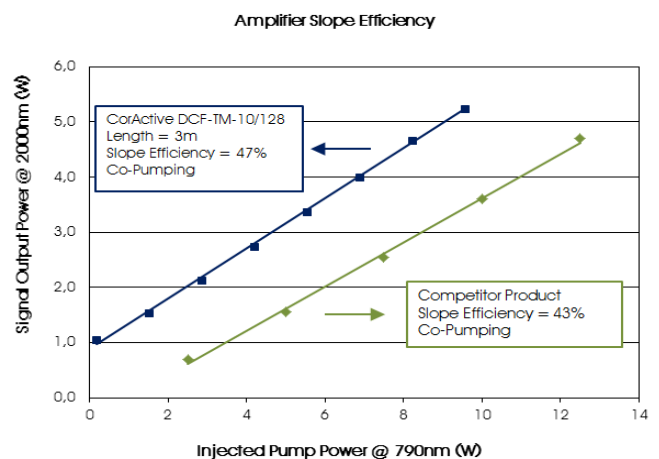
#### Optical

Clad Absorption @ 790nm	dB/m	4.0 ± 0.6
Core NA		0.22 ± 0.02
Clad NA		> 0.45

#### Geometrical&Mechanical

Core Diameter	μm	10 ± 1
Core/Clad Concentricity Error	μm	≤ 1.0
Clad Diameter	μm	128 ± 3
Clad Geometry		Octagonal
Coating Diameter	μm	260 ± 20

### PERFORMANCES



### TYPICAL APPLICATIONS

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

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

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