

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

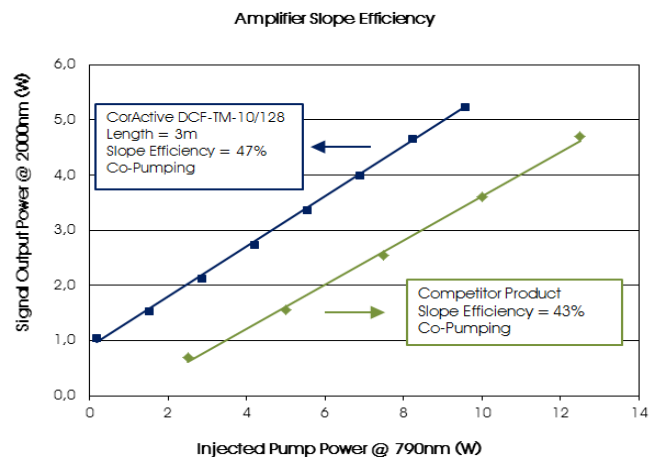
Optical

| | | |
|-------------------------|------|-------------|
| 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



JAPAN
DEVICE

URL: <http://j-device.com>
営業: sales@j-device.com

TEL:03-6262-3424

日本デバイス株式会社

FAX:03-6800-5883

CorActive

Specialty Optical Fiber Manufacturer