

TH 550

Tm/Ho Co-doped Single Clad Fiber

Coractive's TH 550 Tm/Ho co-doped single clad fiber features high efficiency and very high absorption that make this product the ideal solution for the design of eye-safe fiber lasers and optical amplifiers in a broad range of applications.

Features & Benefits

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

Applications

- Eye-safe Lasers & Amplifiers
- Seed lasers
- Scientific/Research

Specifications

Optical

Cladding Absorption @ 1212 nm (dB/m)	≥ 90
Core Absorption @ 790 nm (dB/m)	≥ 120
Cutoff Wavelength (nm)	1450 ± 50
Numerical Aperture - Core	0.14 ± 0.02

Geometrical & Mechanical

Cladding diameter (μm)	125 ± 1
Core Diameter (μm)	10 ± 1
Proof Test (kpsi)	≥ 50
Single acrylate coating Diameter (μm)	250 ± 15

Environmental

Storage Temperature ($^{\circ}\text{C}$)	-40 to $+85$
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