

SPECIALTY FIBER YTTERBIUM DOPED FIBER

PHOTODARKENING FREE
Yb-DOPED SINGLE MODE FIBER

Kokyo

株式会社 光響

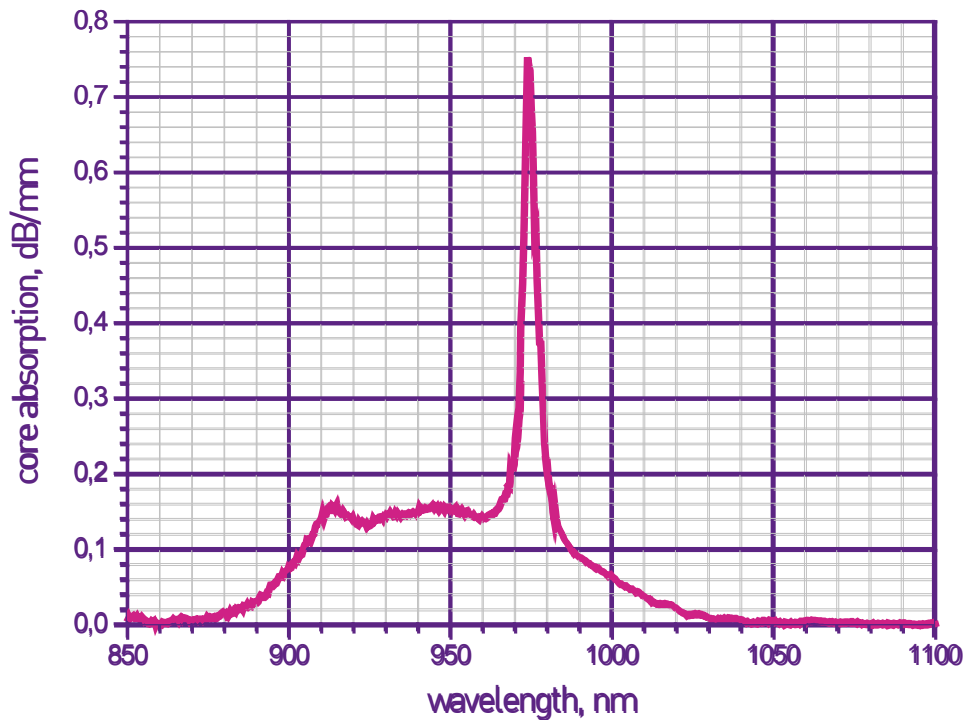
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ARTICLE YDF-SM-6/125

Ytterbium doped fiber YDF-SM-6/125 series is designed for operation without power degradation in core-pumped laser and amplifier schemes.

Typical core absorption



FIBER SPECIFICATIONS	YDF-SM-6/125
Core diameter, μm	5.5 ± 0.7
Clad diameter, μm	125 ± 3
Core NA	0.16 ± 0.02
Cutoff wavelength, μm	0.9 ± 0.1
Core absorption (915 nm), dB/m	150 ± 25
Core absorption (976 nm), dB/m	$> 750 \pm 130$
Background loss (1150 nm), dB/km	< 30
Photodarkening resistance	> 20 times better compare to the $\text{Al}_2\text{O}_3\text{-SiO}_2$ Yb-doped fiber

Other parameters including PM version are available on the request