LIEKKI™ Yb1200-12/250 – Single Mode Ytterbium Doped Fiber

LIEKKI™ Yb1200-12/250 fibers are highly doped fibers for medium power fiber laser and amplifier applications. The combination of a single mode core and 250µm diameter cladding makes it ideal for compact medium power fiber laser resonators.

Features

- High brightness single mode core
- Medium pump absorption
- Low photodarkening
- 7:1 combiners available from multiple vendors

Applications

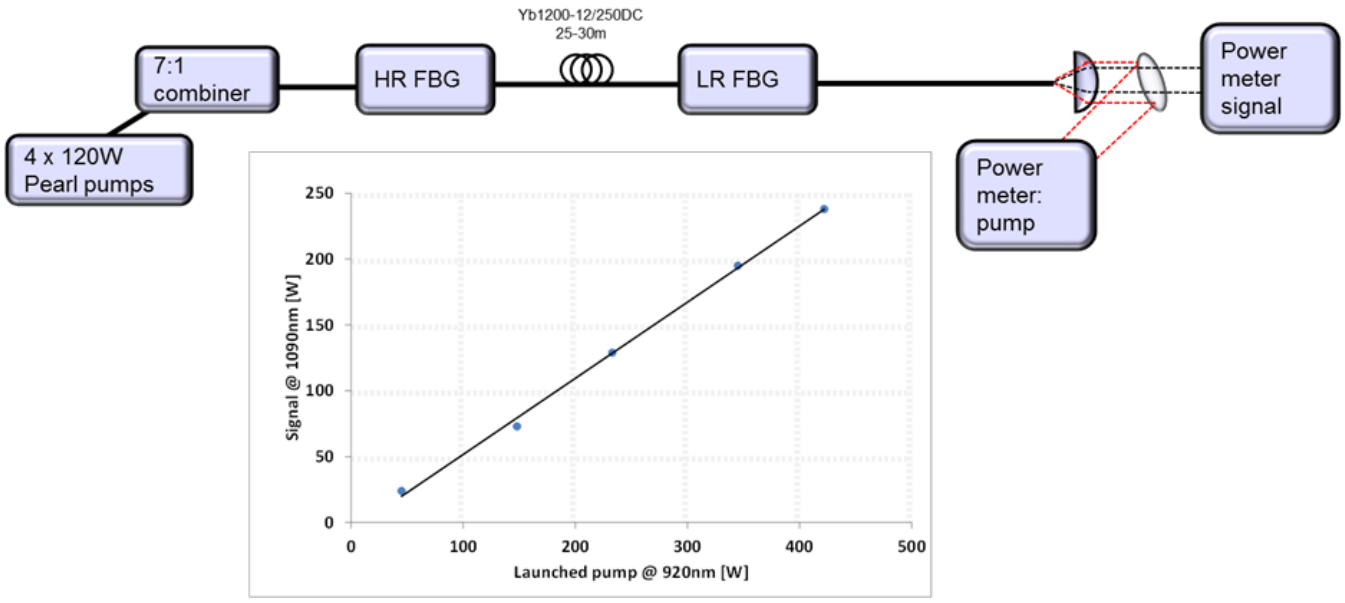
- Medium power resonators
- Medium power amplifiers
- CW and QCW applications
- Industrial, medical and scientific applications

Proven Performance

Typical Device Performance

Fiber		LIEKKI™ Yb1200-12/250DC
Optical		
Peak Cladding Absorption at 976 nm (nominal)	dB/m	(3.0)
Cladding Absorption at 920 nm	dB/m	0.7 ± 0.2
Core Numerical Aperture		0.08 ± 0.01
Geometrical and Mechanical		
Core Diameter	µm	12.5 ± 1
Core Concentricity Error	µm	< 1.5
Cladding Diameter (flat-to-flat)	µm	250 ± 10
Cladding Geometry		Octagonal
Coating Diameter	µm	350 ± 15
Coating Material		Low Index Acrylate
Cladding Numerical Aperture		> 0.46
Proof Test	Kpsi	> 100

Typical Performance Data



Proven Performance