



2 μm High-Power Fibre Lasers

Multitel
APPLIED PHOTONICS

2 μm FIBER LASER: HIGH-POWER MONOLITHIC LASER.

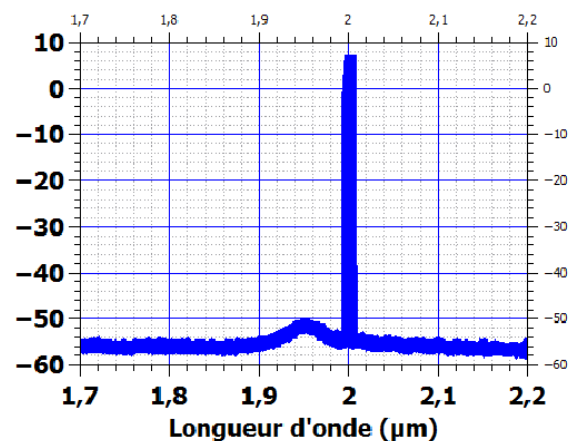
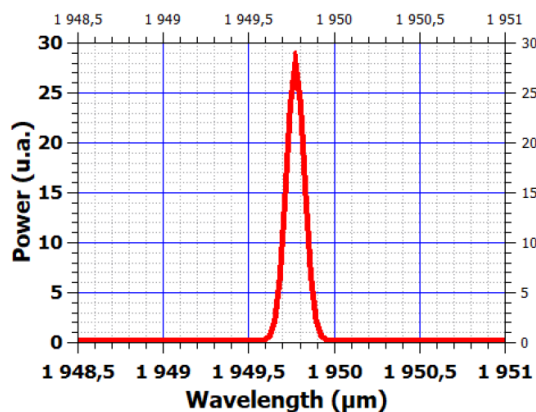


We propose an all-PM high power fibre laser operating around 2000 nm. This laser is proposed in two versions: low-power oscillator with average power about 1 Watt and high-power version integrating an oscillator combined to a high-power fiber amplifier delivering up to 30 Watts. Both exhibit a nearly gaussian beam profile.

■ Laser versions (custom parameters available on request)

2 μm fibre lasers are available both in OEM or packaged version:

	Oscillator	High-Power Version
Central Wavelength	1900 - 2000 nm (on request)	
Average Power	> 1 W	> 30 W
Optical spectrum	~ 0.1 nm (FWHM)	
Polarization	Linear, PER > 20 dB	
Beam profile	$M^2 < 1.3$	
Power stability	< 1% RMS	
Output port	Collimated beam	



Optical spectrum in linear and logarithmic scales (OSA).

Possible applications: Spectroscopy, polymer processing, etc

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