

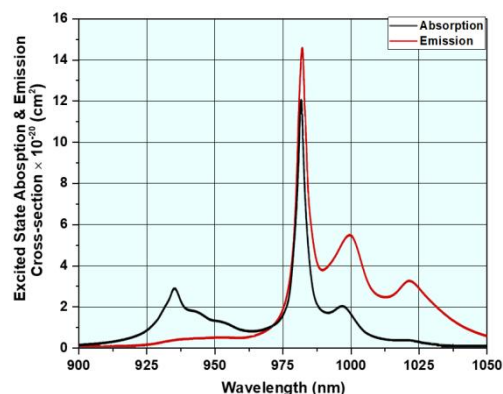
Yb:KGW

Yb:KGW, as an excellent laser gain material, has wide absorption spectrum at 980 nm and high absorption of pump radiation. Its broad spectral emission band 1023-1060 nm applies to short pulses lasers.

Main features:

- Greater absorption bandwidth
- 3-4 times longer launch life
- Higher storage capacity
- Lower quantum defects
- More suitable for diode pumping
- No excited state absorption and up-conversion, high light

Absorption curve of Yb:KGW



Typical applications:

- 1000 nm for biological imaging with high-resolution multiphoton excited fluorescence and third- and second-harmonic microscopy
- Applications in Nonlinear Microscopy
- Generate ultra-short high-power pulses
- Regenerative amplifier

Customized service:

- Different sizes and angles can be customized
- Provide coating service
- High quality assurance

Technical Parameters

Names of Parameters	Values & Ranges
Directional	[010]
Length tolerance	+1.0/-0.0
Dimension tolerance	+/-0.1
Finish	20/10
Parallelism	< 30 arc sec
Perpendicularity	< 15 arc min
Doping concentration	5%
Coating	[010]
Quality warranty period	1 year (under normal use)

See appendix P36 for more information