

electron microscopy

lasers

ionizing radiation detection

phosphors for light conversion

x-ray imaging

coating

sapphire profiles

precision optics

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Crytur delivers high quality laser rods based on proprietary crystals and in-house processing and coating

Our products are used in a wide range of applications, from scientific research to industrial processing. We have a long history of providing high-quality laser rods to our customers, and we are committed to continuing to provide the best possible products and services.

We have a wide range of laser rods available, including YAG, YAP, and YVO4. We also offer a range of laser diodes, including 1.5 micron and 1.66 micron. We are committed to providing the best possible products and services to our customers, and we are committed to continuing to provide the best possible products and services.

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ER:YAG

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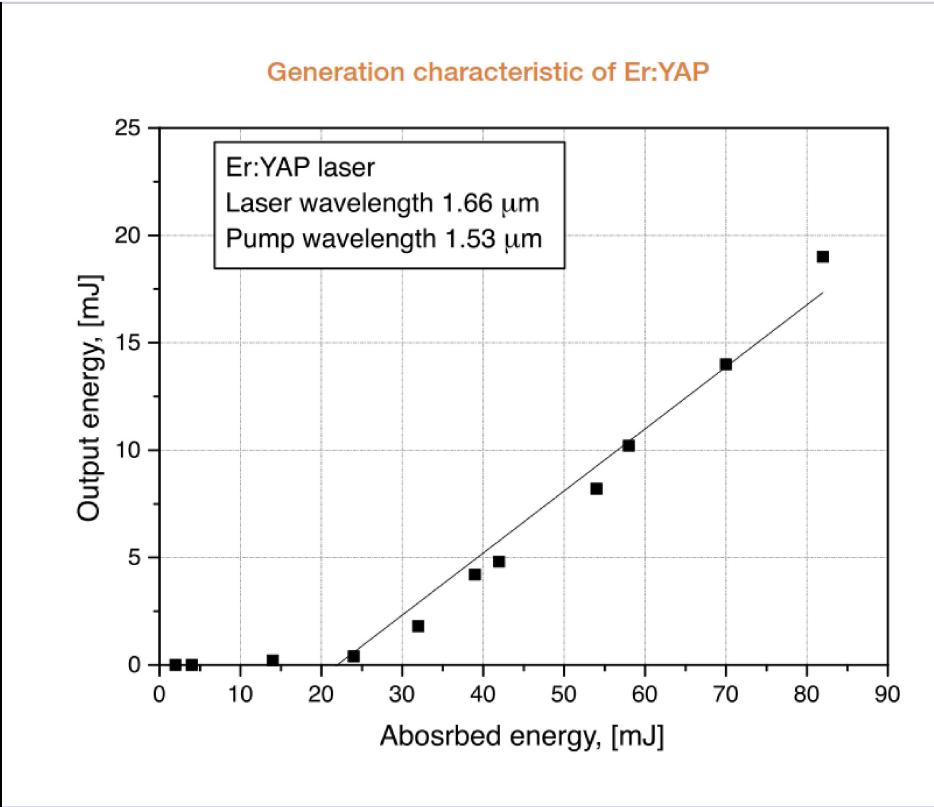
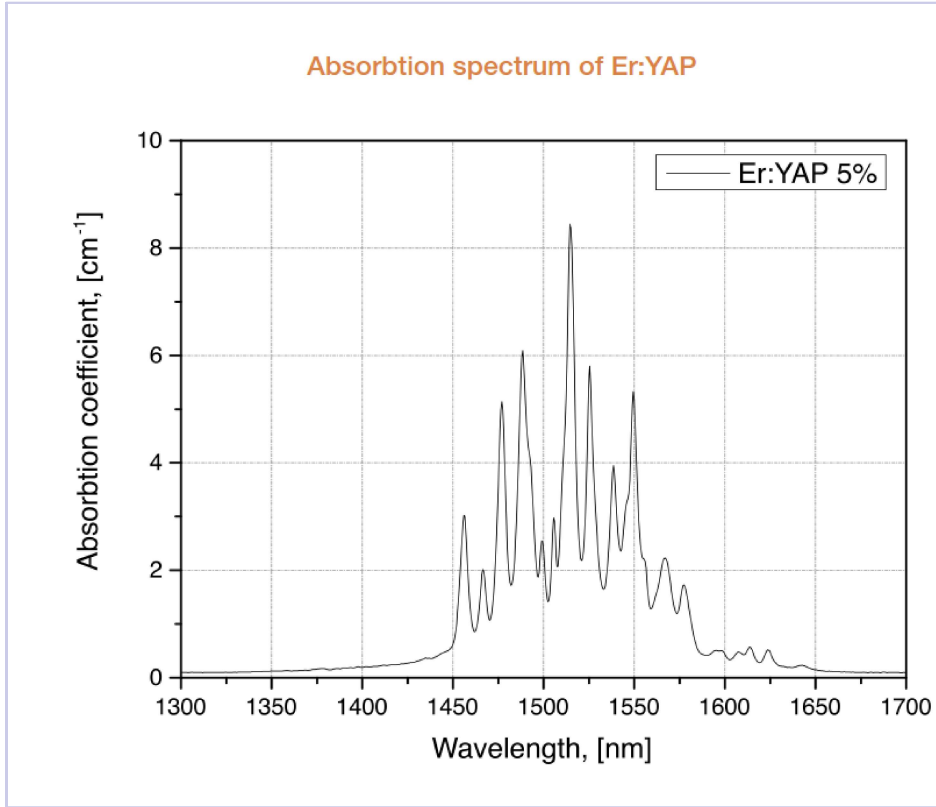
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MATERIAL CHARACTERISTICS		
Crystal structure	orthorhombic - Pbnm	
Laser wavelengths	$^4S_{3/2} \rightarrow ^4I_{9/2}$	1.66 μm
	$^4I_{11/2} \rightarrow ^4I_{13/2}$	2.73 μm
Pump bands	0.6-0.8 μm	1.53 μm
Thermal conductivity	11 W/m K	
Refractive index at 632 nm	1.93	
Crystallographic orientation	b-axis ref. to Pbnm convention	
DESIGN		
Rod Diameter	2 – 5 mm	
Rod Length	Up to 100 mm	
Doping concentration	1 % - 50% at.	
Polishing	Barrel surface fine ground or polished. Perpendicular or wedged ends. Polishing according to DIN and MIL standards.	
Coatings	Ion assisted	

