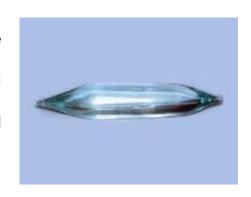


Yd: YAG CRYSTALS

Yb: YAG is a good laser gain material which has a much large absorption bandwidth. It can generate 1.03µm laser output pumped at 0.94µm. Yb: YAG can be used in high power diode - pumped lasers and others potential applications.



Specification	
Dopant Concentration	Yb: 0.5 ~ 25 at%
Orientation	Within 5°
Wavefront Distortion	≤ 0.125λ/inch
Extinction Ratio	≥28 dB
Rod Sizes	Diameter:2 ~ 20mm, Length:5 ~ 150mm Upon request of customer
Dimensional Tolerances	Diameter +0.00"/-0.002"mm Length: ± 0.02"
Barrel Finish	Ground Finish: 400 Grit
Parallelism	≤10"
Perpendicularity	≤5'
Flatness	λ/10
Surface Quality	10 / 5
Chamfer	0.006"±0.002" at 45°± 5°
AR Coating Reflectivity	≤ 0.25% [@1030nm]
Single Pass Loss	<3 × 103cm-1