Er:YAG is an excellent laser crystal of 2.94μm. It is widely applied in medical laser systems of laser surgery, dental, otolaryngology, and Laser cosmetology etc.

Advantages

- Eye safe
- High slope efficiency
- Working well at room temperature
- Wide pumping band 600nm-800nm

Specification

Concentration	Er 20%~50%
Orientation	<111>±5°
Dimension	diameter 2~10mm Length 30-160mm
Parallelism	≤ 10"
Perpendicularity	≤ 5'
Surface Quality	10/5 (MIL-O-13830A)
Flatness	λ/10 @632.8nm
Extinction ratio	≥25dB
Wavefront distortion	≤λ/8 per inch
Barrel finishing	Ground finish 400# Grit
Coating	AR/AR@2940nm, R≤0.25%
Damage threshold	≥5J/cm^2 10ns, 10Hz
Laser wavelength	2940nm
Pump bands	600nm -800nm

Standard size

Size(mm)	Φ4 x 100	Φ5 x 100	Φ6 x 100
Coating	AR/AR@2940nm, R≤0.25%		

*Other specifications on request.