

Nd:Ce:Tb:YAG

Now we can offer Nd:Ce:Tb:YAG crystal. Besides all the advantages of Nd:Ce:YAG, Nd:Ce:Tb:YAG crystal have more outstanding advantages, such as high beam quality, high thermal stability, which is especially suited to high repetition laser machine.

Material and Specifications

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|-------------------------|---|
| Application | 1.064 μm pulse/CW solid lasers |
| Orientation | [111] within 5° |
| Nd dopant concentration | 0.6 – 1.2 at % |
| Parameters of laser | interference fringes $\leq 0.25/\text{inch}$ extinction ratio ≥ 30 dB |
| Rod sizes | Rob: $\phi 3 \sim 10$ mm, length: 30~140 mm Slab: (3~12)x(6~24)x(60~140) mm |
| Parallelism | $\leq 10''$ |
| Perpendicularity | $\leq 5'$ |
| Flatness | $\lambda/10$ @589.3 nm |
| Coating reflectivity | PR coating @1064 nm, reflectivity could be 10~99.85% (on user's request) AR coating @1064 nm, R ≤ 0.2 % |