

掺钕钷铝石榴石(Nd:YAG)是目前综合性能最为优异的激光晶体。激光波长 1064nm, 广泛用于军事、工业和医疗等行业。主要产品有: Nd:YAG 圆棒或厚片、掺 Er, Yb 等各种离子的 YAG 晶体。

Nd:YAG is currently the most comprehensive laser crystal. The laser has a wavelength of 1064 nm and is widely used in military, industrial and medical industries. The main products are: Nd:YAG round or thick sheet, YAG crystal with various ions such as Er, Yb

## 主要特点 Features

- 高损伤阈值

high laser threshold

- 高功率

High power

- 1064nm 光波吸收少

1064nm light wave absorption is less

- 热传导性和热冲击特性好

Good thermal conductivity and thermal shock characteristics

- 光学性质好
- Good optical properties
- 适用于多种工作方式
- Suitable for a variety of work methods



武汉泰肯光电科技有限公司 Phone: 18154333926 / 18500085825

邮箱: ox3\_frank@163.com

性能参数:

|                      |   |
|----------------------|---|
| Orientation          | $\leq 5^\circ @ \langle 111 \rangle$ or $\langle 100 \rangle$ |
| Parallelism          | $\leq 20$ arcsec  |
| Wavefront Distortion | $\lambda/8$ at 633nm  |
| Surface Quality      | 10-5  |
| Perpendicularity     | $\leq 5$ arcmin   |
| Extinction Ratio     | $\geq 28$ dB  |
| Chamfer              | $\leq 0.2\text{mm} \times 45^\circ$                           |