

LINBO3 CRYSTALS

LiNbO3 is widely used as electro-optic modulators and Q-switches for Nd:YAG, Nd:YLF and Ti:Sapphire lasers as well as modulators for fiber optics. The following table list the specifications of a typical LiNbO3 crystal used as Q-switch with transverse E-O modulation.



| Specification | |
|-------------------------|--|
| Aperture | 4×4mm ~ 9×9mm |
| Length | 15 ~ 25mm |
| Tolerance Of Size | +/-0.1mm |
| Chamfer | <0.5mm × 45° |
| Accuracy Of Orientation | <5 arc min |
| Parallelism | <10 arc sec |
| Finish | 20 / 10 |
| Flatness | λ/8 at 632.8 nm |
| Electrodes | Gold or Cr electrode on X-faces |
| Wavefront Distortion | <i 4="" 632.8="" at="" nm<="" td=""></i> |
| Extinction Ratio | >400:1 @ 633nm, dia 6mm beam |
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