

NLO Crystals

Polarizers

Pockels Cells

Wave plates

Laser Crystals

Birefringent Crystals

Optical Crystals

E-O/A-O Crystals

In Stock

Customized Optics

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LBO Crystal and Devices

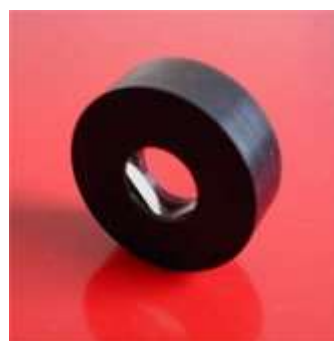
LBO, Lithium triborate (LiB_3O_5), is one of the most excellent nonlinear optical crystals with high damage threshold and non-hydroscopy.

Our LBO crystal features:

- Devices with large size are available
- Strict Quality Control
- Massive production to support industrial customers
- Competitive Price and Huge OEM Discount
- AR-Coating, mounting and re-polishing service
- Competitive Price and Huge OEM Discount
- Free Technical Support



LBO Crystal Grown in United Crystals



LBO device with 1" holder

Our Standard Specifications for LBO Devices:

- Dimension tolerance: $(W \pm 0.1 \text{ mm}) \times (H \pm 0.1 \text{ mm}) \times (L + 0.2 \text{ mm}/-0.1 \text{ mm})$
- Transmitting wavefront distortion: less than $\lambda/4$ @ 633nm
- Clear aperture: > 90% central area
- Flatness: $\lambda/8$ @ 633nm
- Surface Quality: 10/5 to MIL-O-13830A
- Parallelism: better than 20 arc seconds
- Perpendicularity: 5 arc minutes
- Angle tolerance(degree): $D(\theta) < \pm 0.5$, $D(\phi) < \pm 0.5$
- AR coating: upon request

[View LBO Crystal Properties and Applications](#)

[Click here to get a quote via e-mail](#)



[E-mail this link to a friend](#)

We have the following items in stock, which are ready for shipping immediately.

Description	Quantity
LBO, theta=90 degrees, phi=34 degrees, 3x3x15mm, polishing only, no coating, no holder	1
LBO, theta=90 degrees, phi=0 degrees, 3x3x30mm, AR-coating at 1260nm+630nm, no holder	1

