

LBO CRYSTAL

WISOPTIC Capabilities of LBO

- Large aperture: max 20x20 mm
- Various size: max length 60 mm
- High transmittance: AR coating with $R < 0.1\%$ (at 1064/532nm)
- End configuration: flat, or Brewster, or specified
- Mounting: upon request
- Very competitive price

WISOPTIC Standard Specifications* of LBO

Dimension Tolerance	$\pm 0.1 \text{ mm}$
Angle Tolerance	$< \pm 0.25^\circ$
Flatness	$< \lambda/8 @ 632.8 \text{ nm}$
Surface Quality	$< 10/5 [S/D]$
Parallelism	$< 20''$
Perpendicularity	$\leq 5'$
Chamfer	$\leq 0.2 \text{ mm} @ 45^\circ$
Transmitted Wavefront Distortion	$< \lambda/8 @ 632.8 \text{ nm}$
Clear Aperture	$> 90\%$ central area
Coating	AR coating or Broad Band AR-coating $R < 0.1\% @ 1064\text{nm}$, $R < 0.1\% @ 532\text{nm}$, $R < 0.5\% @ 355\text{nm}$
Laser Damage Threshold	$> 10 \text{ GW/cm}^2$ for 1064nm, 10ns, 10Hz (polished only) $> 1.0 \text{ GW/cm}^2$ for 1064nm, 10ns, 10Hz (AR-coated) $> 0.5 \text{ GW/cm}^2$ for 532nm, 10ns, 10Hz (AR-coated)

* Products with special requirement upon request.

CONTACT **WISOPTIC** FOR THE BEST SOLUTION FOR YOUR APPLICATION OF **LBO** CRYSTALS.