

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