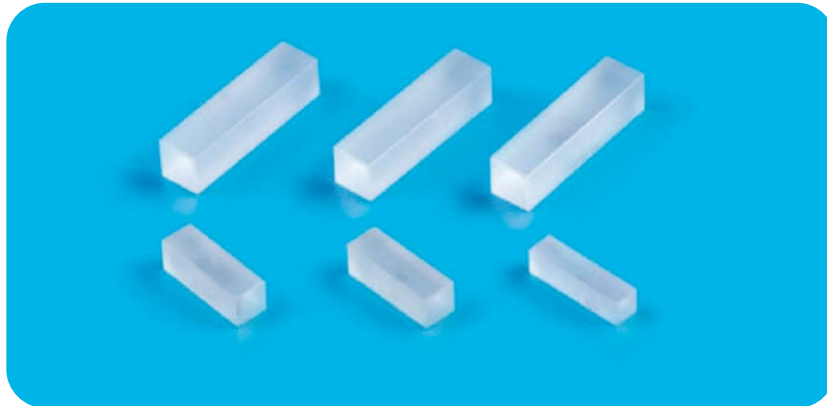


BBO

In the nonlinear optical crystal, BBO crystal is a kind of crystal with obvious comprehensive advantages and good performance. It has a very wide light transmission range, a large matching angle, a high resistance to light damage threshold, and a broadband temperature matching. Excellent optical uniformity, especially for the triple frequency of Nd:YAG lasers.



ADVANTAGES :

- Wide transparency
- Broad phase-matching range
- Small walk-off angle
- High damage threshold
- Wide acceptance angle
- High optical homogeneity 473nm

SPECIFICATIONS :

Flatness	$\lambda/8$ at 633nm
Parallelism	≤ 20 arcsec
Wavefront Distortion	$\lambda/8$ at 633nm
Surface Quality	10-5
Perpendicularity	≤ 5 arcmin
Angle tolerance	$\Delta\theta, \Delta\phi \leq \pm 0.25^\circ$
Dimension tolerance	± 0.1 mm
Clear Aperture	90% of central area
Chamfer	≤ 0.2 mmx45°
Chip	≤ 0.1 mm
Damage Threshold	0.5GW/cm ² 1064nm TEM00 10ns 10Hz AR-coated 0.3GW/cm ² 532nm TEM00 10ns 10Hz AR-coated