BBO

泰肯光电 TAIKENGUANGDIAN

BBO在非线性光学晶体中，是一种综合优势明显、性能良好的晶体。它有着极宽的透光范围、较大的相匹配角、较高的抗光损伤阈值，宽带温度匹配以及优良的光学均匀性，特别是对于Nd:YAG激光器之三倍频有着广泛的应用。

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.

主要特点 Features

- 透光范围宽

Wide transparency

- 宽的相位匹配范围

Broad phase-matching range

- 离散角度小

Small walk-off angle

- 高损伤阈值

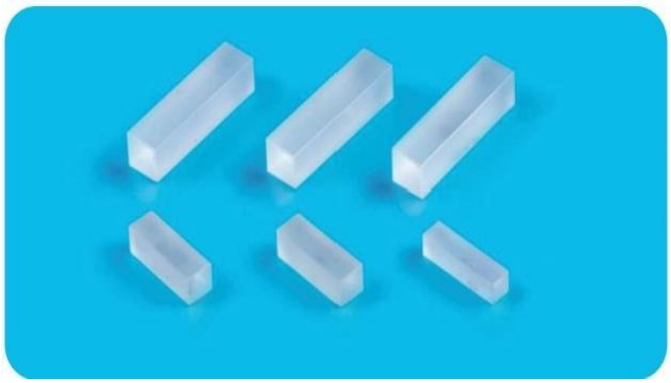
High damage threshold

- 接收角度宽

Wide acceptance angle

- 光学均匀性 473nm

High optical homogeneity 473nm



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性能参数:

Flatness	λ/8 at 633nm
Parallelism	≤20 arcsec
Wavefront Distortion	λ/8 at 633nm
Surface Quality	10-5
Perpendicularity	≤5 arcmin
Angle tolerance	△8,△q≤±0.25°
Dimension tolerance	±0.1mm
ClearAperture	90% of central area
Chamfer	≤0.2mmx45°
Chip	≤0.1mm
Damage Threshold	0.5GW/cm21064nm TEM0O 10ns 10HzAR-coated 0.3GW/cm2532nm TEM0O 10ns 10HzAR-coated

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