



Nonlinear Crystals

Product Description:

Nonlinear Crystals listed here are specifically used for new frequency generation, including second, third, fourth and fifth harmonic generation, frequency mixing; OPO (optical parametric oscillator (OPO) and optical parametric amplifier (OPA).

We offer high quality beta-barium borate (β -BaB₂O₄), potassium titanyl phosphate (KTiOPO₄ or KTP), lithium niobate (LiNbO₃), magnesium oxide doped Lithium niobate (MgO:LiNbO₃) and lithium triborate (LiB₃O₅).

You may refer to this page (<http://www.pmoptics.com/crystals.html>) for material properties, phase matching angles, example applications as well as other information.

Specifications:

Dimension Tolerance	$\pm 0.1\text{mm}$
Orientation Tolerance	± 0.5 degree
Surface Quality	20 ~ 10 Scratch/Dig
Flatness	$\lambda / 8 @ 632.8\text{nm}$
Clear Aperture	> 90%
Parallelism	< 20 arc sec
Chamfer	$\sim 0.15\text{mm} \times 45^\circ$
Coating	Specified by customer