

Mounted BBO Nonlinear Crystals

Specifications for type-I and type-II phase matching BBO crystals.

Pump wavelength is 405 nm. Degenerate down converted photons wavelength is 810 nm.
Crystal is BBO.

Type-I

Crystal cut for Type-I phase matching, spontaneous parametric down conversion, for above wavelengths.

1. Crystal thickness 1 mm, other dimensions 10mmX10mm. (quantity-4).
2. Crystal thickness 2 mm, other dimensions 10mmX10mm. (quantity-4).
3. Antireflection coating for 405 nm and 810 nm.

Type-II

Crystal cut for Type-II phase matching (pump wavelength 405 nm), spontaneous parametric down conversion for polarization entangled photon generation. The cones should converge to beams with angle tuning.

3. Crystal thickness 1 mm, other dimensions 10mmX10mm. (quantity-4).
4. Crystal thickness 2 mm, other dimensions 10mmX10mm. (quantity-4).
5. Antireflection coating for 405 nm and 810 nm.