



Newlight Photonics Inc.

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Optical Components for Photon Entanglement

Part Number	Description	In stock	Price (US\$)
WPA03-H-810	Air-spaced 0th order half waveplate @ 810nm, aperture 15.0mm, AR@810nm on both surfaces, mounted in 1" anodized Al holder	Yes	\$249
WPA03-H-405	Air-spaced 0th order half waveplate @ 405nm, aperture 15.0mm, AR@405nm on both surfaces, mounted in 1" anodized Al holder	Yes	\$249
WPA03-Q-810	Air-spaced 0th order quarter waveplate @ 810nm, aperture 15.0mm, AR@810nm on both surfaces, mounted in 1" anodized Al holder	Yes	\$249
WPA03-Q-405	Air-spaced 0th order quarter waveplate @ 405nm, aperture 15.0mm, AR@405nm on both surfaces, mounted in 1" anodized Al holder	Yes	\$249
NCBBO5100-405(I)-HA3 (1mm thick) NCBBO5300-405(I)-HA3 (3mm thick)	BBO crystal, aperture 5x5mm, cut for Type I phase matched SPDC pumped by 405nm with the half opening angle of 3 degrees, AR coated, mounted in 1" holder	Yes	Email/Call
PABBO5050-405(I)-HA3	Paired BBO crystals(2pcs), size 5x5x0.5mm(each), cut for Type I phase matched SPDC pumped by 405nm with the half opening angle of 3 degrees, AR coated. The two crystals mounted together in a 1" holder with one crystal rotated by 90 degrees about the axis normal to the incidence face	Yes	Email/Call
NCBBO5100-405(II)-HA5 (1mm thick) NCBBO5300-405(II)-HA5 (3mm thick)	BBO crystal, aperture 5x5mm, cut for Type II phase matched SPDC pumped by 405nm with the half opening angle of 5 degrees between the two conjugated directions, AR coated, mounted in 1" holder	4 weeks	Email/Call
NCBIBO5100-405(I)-HA3 (1mm thick) NCBIBO5300-405(I)-HA3 (3mm thick)	BiBO crystal, aperture 5x5 mm, Type I phase matched SPDC pumped by 405nm with the half opening angle 3 degrees, AR coated, mounted in 1" holder	Yes	Email/Call
PABIBO5050-405(I)-HA3	Paired BiBO crystals(2pcs), size 5x5x0.5mm(each), cut for Type I phase matched SPDC pumped by 405nm with the half opening angle of 3 degrees, AR coated. The two crystals mounted together in a 1" holder with one crystal rotated by 90 degrees about the axis normal to the incidence face	Yes	Email/Call
SGBBO5100-800(I)	BBO crystal, size 5x5x1mm, cut for Type I phase matched SHG of pulsed Ti:sapphire laser @ ~ 800nm, AR coated, mounted in 1" holder	Yes	Email/Call

SGBIBO5100-800(I)	BiBO crystal, size 5x5x1mm, cut for Type I phase matched SHG of pulsed Ti:sapphire laser @ ~ 800nm, AR coated, mounted in 1" holder	Yes	Email/Call
PBS0012-B-650-900	Broadband polarizing beamsplitter cube, size 12.7x12.7x12.7mm, spectral range: 650-900nm	Yes	\$159
BHR1060-750-850-45	Broadband high-reflective dielectric mirror, R>99.5% for both s- and p-polarization @ AOI 45 deg, wavelength range 750-850nm, diameter 25.4mm, thickness 6.0mm	Yes	\$75
BHR1060-380-420-45	Broadband high-reflective dielectric mirror, R>99.0% for both s- and p-polarization @ AOI 45 deg, wavelength range 380-420nm, diameter 25.4mm, thickness 6.0mm	Yes	\$75
QARxxxx-A	Phase adjuster, Material: Quartz, a-cut, mounted in 1" anodized Al holder. Thickness & coating: specified by customers (http://www.newlightphotonics.com/quartz-crystal.html)	4 weeks	Email/Call
ALBxxxx-A CALxxxx-A	Time delay compensator, Material: alpha-BBO (ALB) or Calcite (CAL), a-cut, mounted in 1" anodized Al holder, to introduce an appropriate temporal delay between the orthogonal polarization components for a pulsed pump. Thickness & coating: specified by customers (http://www.newlightphotonics.com/alpha-BBO-crystal.html , http://www.newlightphotonics.com/calcite.html)	4 weeks	Email/Call
BSBBO5xxx BSBIBO5xxx	Birefringent spatial compensator, Material: BBO or BiBO, aperture 5x5mm, to compensate for angle dependent phase variation from SPDC crystal. Thickness, coating & angle: specified by customers	4 weeks	Email/Call
LWPF1030-RG715	Long-wave pass red glass filter, cutoff wavelength 715nm, diameter 25.4mm, uncoated	Yes	\$42
BWPF1030-BG39	Bandpass blue glass filters, transmission range 350-600nm, block 750-900nm, diameter 25.4mm, uncoated	Yes	\$42
NBF810-10	Narrow bandpass filter, centered at 810nm with 10nm bandwidth, aperture 20mm, mounted in 1" holder	Yes	\$99
GSC0210	Glan-Thompson polarizer, fabricated from high laser quality calcite crystal, air-spaced design, extinction ratio: 100,000:1, aperture 10mm, mounted in 1" anodized Al holder	Yes	\$499
RPB0008	alpha-BBO Rochon polarizer, ~ 8 degree beam deviation, extinction ratio: 200,000:1, aperture 8mm, mounted in 1" anodized Al holder	Yes	\$599

Please contact Newlight Photonics for SPDC compoments with pumps other than 405nm.