



Newlight Photonics Inc.

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Optical Components for Photon Entanglement

Part Number	Description	In stock	Price (US\$)
WPO03-H-810	Optical contacted 0th order half waveplate @ 810nm, aperture 15.0mm, AR@810nm on both surfaces, mounted in 1" anodized Al holder	Yes	\$229
WPO03-H-405	Optical contacted 0th order half waveplate @ 405nm, aperture 15.0mm, AR@405nm on both surfaces, mounted in 1" anodized Al holder	Yes	\$229
WPO03-Q-810	Optical contacted 0th order quarter waveplate @ 810nm, aperture 15.0mm, AR@810nm on both surfaces, mounted in 1" anodized Al holder	Yes	\$229
WPO03-Q-405	Optical contacted 0th order quarter waveplate @ 405nm, aperture 15.0mm, AR@405nm on both surfaces, mounted in 1" anodized Al holder	Yes	\$229
NCBBO5100-405(I) (1mm thick) NCBBO5300-405(I) (3mm thick)	BBO crystal, aperture 5x5mm, cut for Type I phase matched SPDC pumped by 405nm with the half opening angle 3 degrees, AR coated, mounted in 1" holder .	Yes	Email/Call
PABBO5050-405(I)	Paired BBO crystals(2pcs), size 5x5x0.5mm(each), cut for Type I phase matched SPDC pumped by 405nm with the half opening angle 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) (1mm thick) NCBBO5300-405(II) (3mm thick)	BBO crystal, aperture 5x5mm, cut for Type II phase matched SPDC pumped by 405nm with the half opening angle 5 degrees between the two conjugated directions, AR coated, mounted in 1" holder .	4 weeks	Email/Call
NCBIBO5100-405(I) (1mm thick) NCBIBO5300-405(I) (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)	Paired BiBO crystals(2pcs), size 5x5x0.5mm(each), cut for Type I phase matched SPDC pumped by 405nm with the half opening angle 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-I	BBO crystal, size 5x5x1mm, cut for Type I phase matched SHG of pulsed Ti:sapphire laser, AR coated, mounted in 1" holder .	Yes	Email/Call

SGBIBO5100-I	BiBO crystal, size 5x5x1mm, cut for Type I phase matched SHG of pulsed Ti:sapphire laser, AR coated, mounted in 1" holder .	Yes	Email/Call
PBS0012-B	Broadband polarizing beamsplitter cube, size 12.7x12.7x12.7mm, spectral range: 650-900nm	Yes	\$159
BHR1060-750-850	Broadband high-reflective dielectric mirrors, R>99.5% for both s- and p-polarization @ AOI 45 deg, wavelength range 750-850nm, diameter 25.4mm, thickness 6.0mm	Yes	\$109
BHR1060-380-420	Broadband high-reflective dielectric mirrors, R>99.0% for both s- and p-polarization @ AOI 45 deg, wavelength range 380-420nm, diameter 25.4mm, thickness 6.0mm	Yes	\$109
PHADxxxxx	Phase adjusters, Material: Quartz, a-cut, mounted in 1" anodized Al holder. <i>Aperture, thickness & coating: specified by customers</i>	PHAD15005: 15x15x0.5mm, polished only	\$189
		PHAD10030: 10x10 x3.0mm, AR@810/405nm	\$399
		Custom made, 4 wks	Email/Call
DELCxxxxx-C DELCxxxxx-Q DELCxxxxx-B	Time delay compensators, Material: Calcite (C), quartz (Q), or <i>alpha</i> -BBO (B), a-cut, mounted in 1" anodized Al holder, to introduce an appropriate temporal delay between the orthogonal polarization components for pulsed pump. <i>Aperture, thickness & coating: specified by customer</i>	DELC10007-C: 10x10 x0.7mm, AR@810nm	\$359
		DELC10023-C:10x10x2.3mm, AR@810nm	\$399
		Custom made, 4wks	Email/Call
BSBBO5xxx BSBIBO5xxx	Birefringent spatial compensator, Material: BBO or BiBO, aperture 5x5mm, to compensate for angle dependent phase variation from SPDC crystal. <i>Thickness, coating & angle: specified by customers</i>	4 weeks	Email/Call
LWPF1030-RG715	Long-wave pass red glass filters, cutoff wavelength 715nm, diameter 25.4mm, uncoated	3 weeks	Email/Call
BWPF1030-BG39	Bandpass blue glass filters, transmission range 350-600nm, block 750-900nm, diameter 25.4mm, uncoated	3 weeks	Email/Call
NRBF1030-810-10	Narrow bandpass filter, centered at 810nm with 10nm bandwidth, diameter 25.4mm	3 weeks	Email/Call
GSC0210	Glan-Thompson polarizers, 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
RPB0010	<i>alpha</i> -BBO Rochon polarizers, ~ 7 degree beam deviation, extinction ratio: 200,000:1, aperture 8mm, mounted in 1" anodized Al holder	Yes	\$599