ALPHALAS GMBH
BERTHA-VON-SUTTNER-STR. 5
D-37085 GÖTTINGEN
GERMANY

TEL +49 - (0)551 - 77 06 147
FAX +49 - (0)551 - 77 06 146
E-MAIL INFO@ALPHALAS.COM
WEB WWW.ALPHALAS.COM

POLARIZATION OPTICS

PRODUCT LIST

For inquiries and pricing please contact us at sales@alphalas.com

Product list effective from 2023-05-01. Specifications are subject to change without prior notice.
No responsibility for typing or print errors.

Polarization Optics

Item	Part Number	Description	Price
		Polarizers (Glan-Taylor, Thin-Film & Rochon)	
1.	PO-GTC-20-4	**Glan-Taylor-Prism**, calcite air-spaced, for high-power lasers, 320-2300 nm, aperture Ø20 mm, 4 polished exits, with housing Ø32x38 mm, no coating	contact us
2.	PO-GTC-16-4	**Glan-Taylor-Prism**, calcite air-spaced, for high-power lasers, 320-2300 nm, aperture Ø16 mm, 4 polished exits, with housing Ø32x35 mm, no coating	contact us
3.	PO-GTC-10-4	**Glan-Taylor-Prism**, calcite air-spaced, for high-power lasers, 320-2300 nm, aperture Ø10 mm, with housing Ø25 mm, no coating	contact us
4.	PO-GTC-10-AR1064	**Glan-Taylor-Prism**, calcite air-spaced, for high-power lasers, 250-2300 nm, aperture Ø10 mm, with housing Ø25 mm, AR-coated broadband 1064 nm	contact us
5.	PO-GTC-6-FS-AR800	**Glan-Taylor-Prism**, best optical quality calcite material, air-spaced, pulse broadening for 50 fs pulses at 800 nm: 2.4% only, aperture Ø6.0 mm, with housing Ø15 mm, broadband AR-coating 760 to 840 nm	contact us
6.	PO-GTB-10-4	**Glan-Taylor-Prism**, Alpha-BBO material air-spaced, **for high-power lasers,** 220-300 nm, aperture Ø10 mm, in a housing Ø25.4*31 mm, with 2 lateral exits	contact us
7.	PO-GTB-15-4	**Glan-Taylor-Prism**, Alpha-BBO material air-spaced, **for high-power lasers**, 220-300 nm, aperture Ø15 mm, in a housing Ø30*35 mm, with 2 lateral exits	contact us
8.	PO-GTB-20-4	**Glan-Taylor-Prism**, Alpha-BBO air-spaced, for high-power lasers, 220-300 nm, aperture Ø20 mm, in a housing Ø35*35 mm, with 2 lateral exits	contact us
9.	PO-GTY-10-4	**Glan-Taylor-Prism**, YVO4 material air-spaced, for high-power lasers, 500-4000 nm, aperture 10x10 mm, in a housing Ø25.4*25 mm, with 2 lateral exits	contact us
10.	PO-GTY-15-4	**Glan-Taylor-Prism**, YVO4 material air-spaced, for high-power lasers, 500-4000 nm, aperture 15x15 mm, in a housing Ø30*32 mm, with 2 lateral exits	contact us
11.	PO-RO-8-MGF	**Rochon Polarizer**, MgF_2, Extinction Ratio $<1x10^{-5}$ broadband 150 - 6000 nm, aperture ∅8 mm, separation angle 1.8°	contact us
12.	PO-RO-B-10-MGF	**Rochon Polarizer**, material: best VUV-quality MgF_2, Extinction Ratio $<1x10^{-5}$, broadband 150 - 6000 nm, air-spaced for high power applications, internal surfaces at Brewster angle, aperture ∅10 mm, separation angle @633 nm: 8.8 mrad, (0.5°), @193 nm: 9.1 mrad (0.52°). Housing dimensions: ∅ 25.0 mm, length 15.0 mm	contact us

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13.	PO-RO-10-MGF	**Rochon Polarizer**, MgF_2, Extinction Ratio <1x10^{-5} broadband 150 - 6000 nm, aperture ∅10 mm, separation angle 1.8° Housing dimensions: ∅25.4 mm, length 31 mm	contact us
14.	PO-RO-15-MGF	**Rochon Polarizer**, MgF_2, Extinction Ratio <1x10^{-5} broadband 150 - 6000 nm, aperture ∅15 mm, separation angle 1.8°	contact us
15.	PO-RO-20-MGF	**Rochon Polarizer**, MgF_2, Extinction Ratio <1x10^{-5} broadband 150 - 6000 nm, aperture ∅20 mm, separation angle 1.8°	contact us
16.	PO-RO-10-Q	**Rochon Polarizer**, quartz, Extinction Ratio <1x10^{-5} , range 180 - 2800 nm, aperture ∅10 mm, separation angle 1.6°	contact us
17.	PO-RO-15-Q	**Rochon Polarizer**, quartz, Extinction Ratio <1x10^{-5} , range 180 - 2800 nm, aperture ∅15 mm, separation angle 1.6°	contact us
18.	PO-RO-20-Q	**Rochon Polarizer**, quartz, Extinction Ratio <1x10^{-5} , range 180 - 2800 nm, aperture ∅20 mm, separation angle 1.6°	contact us
19.	PO-RO-10-BBO	**Rochon Polarizer**, α-BBO, Extinction Ratio <1x10^{-6} , range 190 - 3500 nm, aperture ∅10 mm, separation angle 8°	contact us
20.	PO-RO-15-BBO	**Rochon Polarizer**, α-BBO, Extinction Ratio <1x10^{-6} , range 190 - 3500 nm, aperture ∅15 mm, separation angle 8°	contact us
21.	PO-RO-20-BBO	**Rochon Polarizer**, α-BBO, Extinction Ratio <1x10^{-6} , range 190 - 3500 nm, aperture ∅20 mm, separation angle 8°	contact us
22.	PO-RO-10-YVO	**Rochon Polarizer**, YVO4, Extinction Ratio <1x10^{-5} , range 400 - 4000 nm, aperture ∅10 mm, separation angle 10°	contact us
23.	PO-RO-15-YVO	**Rochon Polarizer**, YVO4, Extinction Ratio <1x10^{-5} , range 400 - 4000 nm, aperture ∅15 mm, separation angle 10°	contact us
24.	PO-RO-20-YVO	**Rochon Polarizer**, YVO4, Extinction Ratio <1x10^{-5} , range 400 - 4000 nm, aperture ∅20 mm, separation angle 10°	contact us
25.	PO-PBS-8	**Polarizing Beamsplitting Cube**, 550-700 nm, aperture 8 mm diameter	contact us
26.	PO-TFP-248-27-50	**Thin-Film Polarizer**, 248 nm, 27x50 mm, angle of incidence 57°	contact us
27.	PO-TFP-266-27-50	**Thin-Film Polarizer**, 266 nm, 27x50 mm, angle of incidence 45°	contact us
28.	PO-TFP-308-27-50	**Thin-Film Polarizer**, 308 nm, 27x50 mm, angle of incidence 57°	contact us
29.	PO-TFP-1064-27-12	**Thin-Film Polarizer**, 1064 nm, 27x12 mm, angle of incidence 56°	contact us
		Standard Waveplates & Components Retardation accuracy: λ/300, surface quality: 20-10 scratch-digs, wavefront distortion: λ/10, beam deviation: max. 5 arcsec, AR-coated R<0.25%	
30.	PO-ZWP-L2-12-**[WAVELENGTH]**	**Zero-Order (λ/2) Waveplate**, optically contacted, AR-coated, **aperture 12x12 mm**, without holder **Wavelength, nm:** Please specify **[WAVELENGTH]** in nm from the following: **800**, **914**, **946**, **1030**, **1047**, **1053**, **1064**, **1319**, **1342**, **1550**	contact us
31.	PO-ZWP-L2-6-**[WAVELENGTH]**	**Zero-Order (λ/2) Waveplate**, optically contacted, AR-coated, **aperture 6x6 mm**, without holder **Wavelength, nm:** Please specify **[WAVELENGTH]** in nm from the following: **800**, **914**, **946**, **1030**, **1047**, **1053**, **1064**, **1319**, **1342**, **1550**	contact us
32.	PO-ZWP-L4-12-**[WAVELENGTH]**	**Zero-Order (λ/4) Waveplate**, optically contacted, AR-coated, **aperture 12x12 mm**, without holder **Wavelength, nm:** Please specify **[WAVELENGTH]** in nm from the following: **800**, **914**, **946**, **1030**, **1047**, **1053**, **1064**, **1319**, **1342**, **1550**	contact us

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33.	PO-ZWP-L4-6-**[WAVELENGTH]**	**Zero-Order (λ/4) Waveplate**, optically contacted, AR-coated, **aperture 6x6 mm**, without holder **Wavelength, nm:** Please specify **[WAVELENGTH]** in nm from the following: **800**, **914**, **946**, **1030**, **1047**, **1053**, **1064**, **1319**, **1342**, **1550**	contact us
34.	PO-ZWP-DW-2/1-12-**[WAVELENGTH]**	**Zero-Order DUAL-WAVELENGTH Phase Retardation Plate**, best for tripling arrangements of CW to femtosecond lasers, retardation for fundamental **F: λ/2** (half-wave), for second-harmonic **SH: λ/1** (full-wave), optically contacted, AR-coated, **aperture 12x12 mm**, without holder **Fundamental wavelength, nm:** Please specify fundamental **[WAVELENGTH]** in nm from the following: **800**, **914**, **946**, **1030**, **1047**, **1053**, **1064**, **1319**, **1342**, **1550**	contact us
35.	PO-ZWP-DW-2/1-6-**[WAVELENGTH]**	**Zero-Order DUAL-WAVELENGTH Phase Retardation Plate**, best for tripling arrangements of CW to femtosecond lasers, retardation for fundamental **F: λ/2** (half-wave), for second-harmonic **SH: λ/1** (full-wave), optically contacted, AR-coated, **aperture 6x6 mm**, without holder **Fundamental wavelength, nm:** Please specify fundamental **[WAVELENGTH]** in nm from the following: **800**, **914**, **946**, **1030**, **1047**, **1053**, **1064**, **1319**, **1342**, **1550**	contact us
36.	PO-ZWP-DW-4/2-12-**[WAVELENGTH]**	**Zero-Order DUAL-WAVELENGTH Phase Retardation Plate**, best for tripling arrangements of CW to femtosecond lasers, retardation for fundamental **F: λ/4** (quarter-wave), for second-harmonic **SH: λ/2** (half-wave), optically contacted, AR-coated, **aperture 12x12 mm**, without holder **Fundamental wavelength, nm:** Please specify fundamental **[WAVELENGTH]** in nm from the following: **800**, **914**, **946**, **1030**, **1047**, **1053**, **1064**, **1319**, **1342**, **1550**	contact us
37.	PO-ZWP-DW-4/2-6-**[WAVELENGTH]**	**Zero-Order DUAL-WAVELENGTH Phase Retardation Plate**, best for tripling arrangements of CW to femtosecond lasers, retardation for fundamental **F: λ/4** (quarter-wave), for second-harmonic **SH: λ/2** (half-wave), optically contacted, AR-coated, **aperture 6x6 mm**, without holder **Fundamental wavelength, nm:** Please specify fundamental **[WAVELENGTH]** in nm from the following: **800**, **914**, **946**, **1030**, **1047**, **1053**, **1064**, **1319**, **1342**, **1550**	contact us
38.	PO-WP-HOL-25-11	**Holder for the Zero-Order Waveplates,** **aperture 11 mm**, diameter 25.4 mm, black anodized aluminum	contact us
39.	PO-WP-HOL-25-6	**Holder for the Zero-Order Waveplates,** **aperture 6 mm**, diameter 25.4 mm, black anodized aluminum	contact us
40.	PO-LWP-L4-1064-10	**Low-Order Quarter-Wave (λ/4) Waveplate**, 1064 nm, AR/AR, quartz, aperture Ø10 mm, in a holder Ø25 mm	contact us
41.	PO-LWP-L4-1064-25	**Low-Order Quarter-Wave (λ/4) Waveplate**, 1064 nm, AR/AR, quartz, aperture Ø25.4 mm, without holder	contact us
42.	PO-LWP-L2-1064-10	**Low-Order Half-Wave (λ/2) Waveplate**, 1064 nm, AR/AR, quartz, aperture Ø10 mm, in a holder Ø25 mm	contact us
43.	PO-LWP-L2-1064-25	**Low-Order Half-Wave (λ/2) Waveplate**, 1064 nm, AR/AR, quartz, aperture Ø25.4 mm, without holder	contact us
44.	PO-LWP-L4-532-10	**Low-Order Quarter-Wave (λ/4) Waveplate**, 532 nm, AR/AR, quartz, aperture Ø10 mm, in a holder Ø25 mm	contact us

45.	PO-LWP-L4-532-25	**Low-Order Quarter-Wave (λ/4) Waveplate**, 532 nm, AR/AR, quartz, aperture Ø25.4 mm, without holder	contact us
46.	PO-LWP-L2-532-10	**Low-Order Half-Wave (λ/2) Waveplate**, 532 nm, AR/AR, quartz, aperture Ø10 mm, in a holder Ø25 mm	contact us
47.	PO-LWP-L2-532-25	**Low-Order Half-Wave (λ/2) Waveplate**, 532 nm, AR/AR, quartz, aperture Ø25.4 mm, without holder	contact us
48.	PO-DWP-H1064-F532-10	**Low-Order Dual Waveplate**, half-wave (λ/2) 1064 nm, full-wave (λ/1) 532 nm, AR/AR, quartz, aperture Ø10 mm, in a holder Ø25 mm	contact us
49.	PO-DWP-H532-F1064-10	**Low-Order Dual Waveplate**, half-wave (λ/2) 532 nm, full-wave (λ/1) 1064 nm, AR/AR, quartz, aperture Ø10 mm, in a holder Ø25 mm	contact us
50.	PO-DWP-H1064-F532-25	**Low-Order Dual Waveplate**, half-wave (λ/2) 1064 nm, full-wave (λ/1) 532 nm, AR/AR, quartz, aperture Ø25.4 mm, without holder	contact us
51.	PO-DWP-H532-F1064-25	**Low-Order Dual Waveplate**, half-wave (λ/2) 532 nm, full-wave (λ/1) 1064 nm, AR/AR, quartz, aperture Ø25.4 mm, without holder	contact us
52.	M-WP-25-360	**Rotation Holder for Waveplates**, in mount 25 mm, scale 360°, division 5°, dimensions 40x40 mm	contact us
53.	PO-FR-16	**Fresnel-Rhomb**, aperture 16x16 mm, glass BK7, application as achromatic quarter-wave (λ/4) waveplate	contact us
54.	PO-FR-16-H	**Fresnel-Rhomb**, aperture 16x16 mm, glass BK7, application as achromatic quarter-wave (λ/4) waveplate, mounted in a holder	contact us
55.	PO-FRZN-10	**Fresnel-Rhomb**, material **ZnSe**, aperture 10x10 mm, application as achromatic quarter-wave (λ/4) waveplate for far infrared, standard AR-coating for 10.6 µm	contact us
		Tunable Zero-Order Phase Retardation Plates *Replace many conventional waveplates!* *Mounted in the special tilt/rotation holder*	
56.	PO-TWP-L4-12-UVIR	**Tunable Zero-Order Quarter-Wave (λ/4) Phase Retardation Plate**, aperture Ø11 mm, thickness 2.0 mm, range 150-6000 nm, uncoated, replaces many conventional waveplates! *Mounted in the special tilt/rotation holder. The holder is included.*	contact us
57.	PO-TWP-L4-25-UVIR	**Tunable Zero-Order Quarter-Wave (λ/4) Phase Retardation Plate**, aperture Ø24 mm, thickness 2.0 mm range 150-6000 nm, uncoated, replaces many conventional waveplates! *Mounted in the special tilt/rotation holder. The holder is included.*	contact us
58.	PO-TWP-L4-25-IR	**Tunable Zero-Order Quarter-Wave (λ/4) Phase Retardation Plate**, aperture Ø24 mm, thickness 5.0 mm range 500-6500 nm, uncoated, replaces many conventional waveplates! *Mounted in the special tilt/rotation holder. The holder is included.* *Please use PO-TWP-L4-25-UVIR for femtosecond pulse duration applications.*	contact us
59.	PO-TWP-L2-12-UVIR	**Tunable Zero-Order Half-Wave (λ/2) Phase Retardation Plate**, aperture Ø11 mm, thickness 2.5 mm, range 150-6000 nm, uncoated, replaces many conventional waveplates! *Mounted in the special tilt/rotation holder. The holder is included.*	contact us

60.	PO-TWP-L2-25-UVIR	**Tunable Zero-Order Half-Wave (λ/2) Phase Retardation Plate**, aperture Ø24 mm, thickness 2.5 mm, range 150-6000 nm, uncoated, replaces many conventional waveplates! *Mounted in the special tilt/rotation holder. The holder is included.*	contact us
61.	PO-TWP-L2-12-IR	**Tunable Zero-Order Half-Wave (λ/2) Phase Retardation Plate**, aperture Ø11 mm, thickness 2.5 mm, optimized for the range 500-6500 nm, replaces many conventional waveplates! *Mounted in the special tilt/rotation holder. The holder is included.*	contact us
62.	PO-TWP-L2-25-IR	**Tunable Zero-Order Half-Wave (λ/2) Phase Retardation Plate**, aperture Ø24 mm, optimized for the range 500-6500 nm, thickness 5 mm, replaces many conventional waveplates! *Mounted in the special tilt/rotation holder. The holder is included.* *Please use PO-TWP-L2-25-UVIR for femtosecond pulse duration applications.*	contact us
63.	PO-TWP-L4-25-FIR	**Tunable Zero-Order Quarter-Wave (λ/4) Phase Retardation Plate**, aperture Ø24 mm, range 1-19 µm, uncoated, replaces many conventional waveplates! *Mounted in the special tilt/rotation holder. The holder is included.*	contact us
64.	PO-TWP-L2-25-FIR	**Tunable Zero-Order Half-Wave (λ/2) Phase Retardation Plate**, aperture Ø24 mm, range 1-19 µm, uncoated, replaces many conventional waveplates! *Mounted in the special tilt/rotation holder. The holder is included.*	contact us
		Tunable Zero-Order Waveplates with Adjustable Phase Retardation & Special Function Waveplates	
65.	PO-TWP-MP-12-UV	**Tunable Phase Retardation Plate - MULTIPHASE**, retardation adjustable 0 - λ (0 to full wave), range 150-6000 nm, aperture Ø11 mm, may replace Soleil-Babinet compensator! *Mounted in the special tilt/rotation holder. The holder is included.*	contact us
66.	PO-TWP-MP-25-UV	**Tunable Phase Retardation Plate - MULTIPHASE**, retardation adjustable 0 - λ (0 to full-wave), range 150-6000 nm, aperture Ø24 mm, may replace Soleil-Babinet compensator! *Mounted in the special tilt/rotation holder. The holder is included.*	contact us
67.	PO-TWP-MP-12-IR	**Tunable Phase Retardation Plate - MULTIPHASE**, retardation adjustable 0 - λ (0 to full-wave), range 2000-6500 nm, aperture Ø11 mm, may replace Soleil-Babinet compensator! *Mounted in the special tilt/rotation holder. The holder is included.*	contact us
68.	PO-TWP-MP-25-IR	**Tunable Phase Retardation Plate - MULTIPHASE**, retardation adjustable 0 - λ (0 to full-wave), range 2000-6500 nm, aperture Ø24 mm, thickness 5 mm, may replace Soleil-Babinet compensator! *Mounted in the special tilt/rotation holder (included).*	contact us
69.	PO-TWP-MP-25-UVIR	**Tunable Phase Retardation Plate - MULTIPHASE**, retardation adjustable 0 - λ (0 to full-wave), range 150-3000 nm, aperture Ø24 mm, thickness 5 mm, may replace Soleil-Babinet compensator! *Mounted in the special tilt/rotation holder (included)*	contact us
70.	PO-TWP-DW-2/1-12-UV	**Tunable True-Zero-Order DUAL-WAVELENGTH Phase Retardation Plate DUAL-WAVE®**, best for tripling arrangements of CW to femtosecond lasers, retardation for fundamental: λ/2 (half-wave), for SH: λ/1 (full-wave), adjustable in the range 300-3000 nm (fundamental), aperture Ø11 mm, patent pending. *Mounted in the special tilt/rotation holder (included)*	contact us

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71.	PO-TWP-DW-4/2-12-UVIR	**Tunable True-Zero-Order DUAL-WAVELENGTH Phase Retardation Plate DUAL-WAVE®**, best for polarization control of CW to femtosecond lasers, retardation for fundamental: λ/4 (quarter-wave), for SH: λ/2 (half-wave), adjustable in the range 150-6000 nm, aperture Ø11 mm, patent pending. *Mounted in the special tilt/rotation holder (included)*	contact us
72.	PO-TWP-DW-2/1-25-UV	**Tunable True-Zero-Order DUAL-WAVELENGTH Phase Retardation Plate DUAL-WAVE®**, best for tripling arrangements of CW to femtosecond lasers, retardation for fundamental: λ/2 (half-wave), for SH: λ/1 (full-wave) adjustable in the range 300 -3000 nm (fundamental), aperture Ø24 mm, patent pending. *Mounted in the special tilt/rotation holder (included)*	contact us
73.	PO-TWP-DW-4/2-25-UVIR	**Tunable True-Zero-Order DUAL-WAVELENGTH Phase Retardation Plate DUAL-WAVE®**, best for polarization control of CW to femtosecond lasers, retardation for fundamental: λ/4 (quarter-wave), for SH: λ/2 (half-wave) adjustable in the range 150-6000 nm, aperture Ø24 mm, patent pending. *Mounted in the special tilt/rotation holder (included)*	contact us
74.	PO-TWP-DW-2/1-12-IR	**Tunable True-Zero-Order DUAL-WAVELENGTH Phase Retardation Plate DUAL-WAVE®**, best for trippling arrangements of CW to femtosecond lasers, retardation for fundamental: λ/2 (half-wave), for SH: λ/1 (full-wave), adjustable in the range 2000-6500 nm, aperture Ø11 mm, patent pending. *Mounted in the special tilt/rotation holder ((included).*	contact us
75.	PO-TWP-DW-2/1-25-IR	**Tunable True-Zero-Order DUAL-WAVELENGTH Phase Retardation Plate DUAL-WAVE®**, best for trippling arrangements of CW to femtosecond lasers, retardation for fundamental: λ/2 (half-wave), for SH: λ/1 (full-wave), adjustable in the range 2000-6500 nm, aperture Ø24 mm, patent pending. *Mounted in the special tilt/rotation holder (included).*	contact us
76.	PO-ZWP-L4-800-12-AR	**True-Zero-Order λ/4 Plate**, thickness 2 mm, specially developed for fs-Ti:Sapphire, AR/AR 400-820 nm, aperture Ø11 mm. *Mounted in the special tilt/rotation holder (included).*	contact us
77.	PO-ZWP-L2-800-12-AR	**True-Zero-Order λ/2-Plate**, thickness 2 mm, specially developed for fs-Ti:Sapphire, AR/AR 400-820 nm, aperture Ø11 mm. *Mounted in the special tilt/rotation holder (included).*	contact us
78.	PO-ZWP-L4-800-25-AR	**True-Zero-Order λ/4 Plate**, thickness 2 mm, specially developed for fs-Ti:Sapphire, AR/AR 400-820 nm, aperture Ø24 mm. *Mounted in the special tilt/rotation holder (included).*	contact us
79.	PO-ZWP-L2-800-25-AR	**True-Zero-Order λ/2 Plate**, thickness 2 mm, specially developed for fs-Ti:Sapphire, AR/AR 400-820 nm, aperture Ø24 mm. *Mounted in the special tilt/rotation holder (included).*	contact us
80.	PO-ZWP-L4-1064-16-AR	**True-Zero-Order λ/4 Plate**, MgF_2, tunable AR/AR@1064, aperture Ø16 mm, suitable for Nd:YAG, Nd:YLF, Nd:Glass picosecond and femtosecond lasers	contact us

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81.	PO-ZWP-L2-1064-16-AR	**True-Zero-Order λ/2-Plate**, MgF_2, tunable AR/AR@1064, aperture Ø16 mm, suitable for Nd:YAG, Nd:YLF, Nd:Glass picosecond and femtosecond lasers. *Mounted in the special tilt/rotation holder (included).*	contact us
		NEW! 90° Polarization Rotator for the Infrared	
82.	PR1-90-FIR	**90° polarization rotator and 90° reflector Type 1**, rotates the plane of polarization at 90° of horizontally or vertically polarized light, in arrangement like for half-wave (λ/2) delay. Polarization plane rotation: 90°. Beam direction change at 90°. Beam height displacement: 20 mm. Aperture diameter: 10 mm. Wavelength range: 1 µm ... 14 µm. High-power applications up to 100 W with beam diameter > 8 mm. Dimensions (Width*Height*Length): 30(W)*50(H)*30(L) mm³	contact us
83.	PR2-90-FIR	**90° polarization rotator Type 2**, rotates the plane of polarization at 90° of horizontally or vertically polarized light in an arrangement like for half-wave (λ/2) delay. Polarization plane rotation: 90°. Beam direction not changed. Beam displacement: vertical and horizontal 20 mm each. Aperture diameter: 10 mm. Wavelength range: 1 µm ... 14 µm. High-power applications up to 100 W with beam diameter > 8 mm. Dimensions (Width*Height*Length): 50(W)*50(H)*30(L) mm³	contact us
		NEW! Birefringent plates for Lyot filters **Crystal quartz or MgF_2** **Unmounted and optionally coated** **Diameter: 1” or 25.4 mm**	
84.	PO-QBF-0.5	**Crystal quartz birefringent plate,** thickness 0.5 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 200 nm to 2700 nm	contact us
85.	PO-QBF-1	**Crystal quartz birefringent plate,** thickness 1 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 200 nm to 2700 nm	contact us
86.	PO-QBF-1.5	**Crystal quartz birefringent plate,** thickness 1.5 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 200 nm to 2700 nm	contact us
87.	PO-QBF-2	**Crystal quartz birefringent plate,** thickness 2 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 200 nm to 2700 nm	contact us
88.	PO-QBF-2.5	**Crystal quartz birefringent plate,** thickness 2.5 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 200 nm to 2700 nm	contact us
89.	PO-QBF-3	**Crystal quartz birefringent plate,** thickness 3 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 200 nm to 2700 nm	contact us

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90.	PO-QBF-5	**Crystal quartz birefringent plate,** thickness 5 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 200 nm to 2700 nm	contact us
91.	PO-QBF-6	**Crystal quartz birefringent plate,** thickness 6 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 200 nm to 2700 nm	contact us
92.	PO-QBF-7	**Crystal quartz birefringent plate,** thickness 7 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 200 nm to 2700 nm	contact us
93.	PO-QBF-8	**Crystal quartz birefringent plate,** thickness 8 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 200 nm to 2700 nm	contact us
94.	PO-QBF-10	**Crystal quartz birefringent plate,** thickness 10 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 200 nm to 2700 nm	contact us
95.	PO-QBF-AR	**Optional AR-coating for crystal quartz birefringent plates**	contact us
96.	PO-MBF-0.5	**MgF_2 birefringent plate,** thickness 0.5 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
97.	PO-MBF-1	**MgF_2 quartz birefringent plate,** thickness 1 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
98.	PO-MBF-1.5	**MgF_2 quartz birefringent plate,** thickness 1.5 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
99.	PO-MBF-2	**MgF_2 quartz birefringent plate,** thickness 2 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
100.	PO-MBF-2.5	**MgF_2 quartz birefringent plate,** thickness 2.5 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
101.	PO-MBF-3	**MgF_2 quartz birefringent plate,** thickness 3 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
102.	PO-MBF-5	**MgF_2 quartz birefringent plate,** thickness 5 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us

ALPHALAS GMBH
BERTHA-VON-SUTTNER-STR. 5
D-37085 GÖTTINGEN
GERMANY

TEL +49 - (0)551 - 77 06 147
FAX +49 - (0)551 - 77 06 146
E-MAIL INFO@ALPHALAS.COM
WEB WWW.ALPHALAS.COM

103.	PO-MBF-6	**MgF_2 quartz birefringent plate,** thickness 6 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
104.	PO-MBF-8	**MgF_2 quartz birefringent plate,** thickness 8 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
105.	PO-MBF-10	**MgF_2 quartz birefringent plate,** thickness 10 mm, diameter 25.4 mm Uncoated, use intracavity at Brewster angle Transmission range: 150 nm to 6000 nm	contact us
106.	PO-MBF-AR	**Optional AR-coating for MgF_2 birefringent plates**	contact us