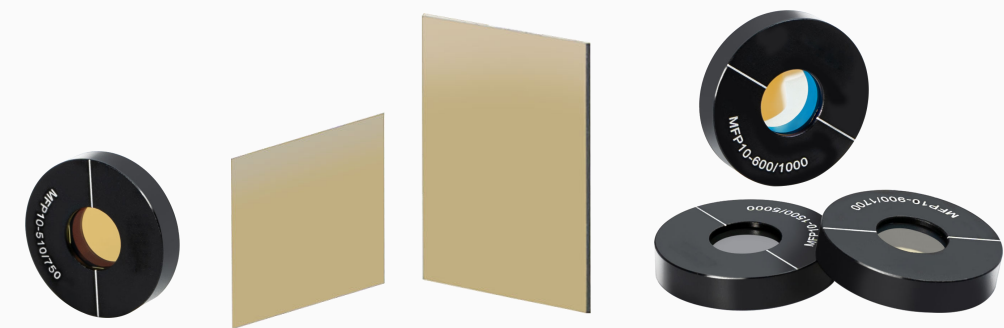


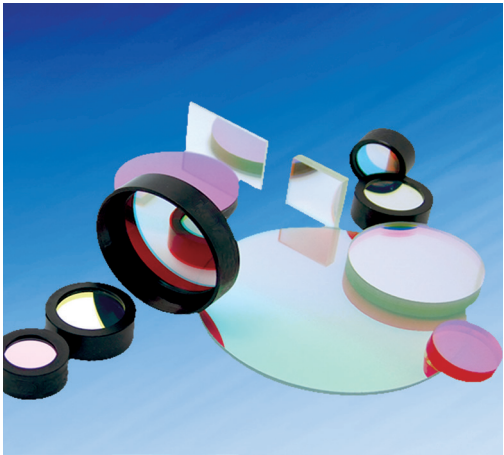


极化玻璃偏振片

产品目录

PRODUCT CATALOG

10000+种光学器件现货供应



极化玻璃偏振片

此偏振片具有优异的消光比和透过率。

零度入射和偏光棱镜相比其特性受入射角度影响小，在正负20度的范围内入射，可达到 100000：1 的消光比。

此偏振片为薄片型偏振片，所占体积很小，适合于对体积有要求的场合。

技术指标		
材	料	极化玻璃
消	光	比
许	用	入 射 角
表	面	质 量
激 光 破 坏 阈 值	裸片：	
	胶合：	
透 过 波 面 精 度		
封	装	



线偏振片参数表（带外框）：

型号	波长范围 nm	透过率 %	消光比	有效通光直径 mm	保护框尺寸 mm
					直径 * 厚度
MFP10-357/403	362-392	>40-47	>100000:1	9	D25.4*5
	360-397	>40-48	>10000:1		
	357-403	>39-48	>1000:1		
MFP10-475/625	475-625	>58-90	>1000:1	9	D25.4*5
MFP10-510/750	530-640	>66-83	>100000:1	9	D25.4*5
	520-740	>63-86	>10000:1		
	510-750	>58-86	>100:1		
MFP10-600/1000	600-850	>84-93	>10000:1	9	D25.4*5
	600-1000	>84-95	>1000:1		
MFP10-600/1200	600-1200	>71-88	>100000:1	9	D25.4*5
MFP10-800/1150	800-1100	>90-94	>10000:1	9	D25.4*5
	600-1150	>82-94	>1000:1		
MFP10-900/1700	900-1200	>85-87	>100000:1	9	D25.4*5
	750-1400	>83-87	>10000:1		
	650-1700	>80-88	>1000:1		
MFP10-850/2000	850-1600	>82-86	>100000:1	9	D25.4*5
	750-1800	>80-87	>10000:1		
	650-2000	>76-87	>1000:1		
MFP10-1480/1650	1480-1650	>96	>10000:1	9	D25.4*5
MFP10-1500/5000	2000-4500	>65-90	>10000:1	9	D25.4*5
	1500-5000	>35-90	>1000:1		



线偏振片参数表（裸片）：

型号	波长范围 nm	透过率 %	消光比	有效通光直径 mm	保护框尺寸 mm
					直径 * 厚度
UV375BC5-10	362-392	>40-47	>100000:1	10*10 (+0, -0.2)	无保护框 *0.22mm
	360-397	>40-48	>10000:1		
	357-403	>39-48	>1000:1		
VIS500BC3CW01-10	475-625	>58-90	>1000:1	10*10 (+0, -0.2)	无保护框 *0.28mm
VIS600BC5CW01-10	530-640	>66-83	>100000:1	10*10 (+0, -0.2)	无保护框 *0.28mm
	520-740	>63-86	>10000:1		
	510-750	>58-86	>100:1		
VIS700BC4CW02-10	600-850	>84-93	>10000:1	10*10 (+0, -0.2)	无保护框 *0.22mm
	600-1000	>84-95	>1000:1		
VISIRCW02	600-1200	>71-88	>100000:1	10*10 (+0, -0.2)	无保护框 *0.26mm
IR950BC4CW02-10	800-1100	>90-94	>10000:1	10*10 (+0, -0.2)	无保护框 *0.22mm
	600-1150	>82-94	>1 000:1		
IR1100BC4-10	900-1200	>85-87	>100000:1	10*10 (+0, -0.2)	无保护框 *0.22mm
	750-1400	>83-87	>10000:1		
	650-1700	>80-88	>1000:1		
IR1300BC5-10	850-1600	>82-86	>100000:1	10*10 (+0, -0.2)	无保护框 *0.22mm
	750-1800	>80-87	>10000:1		
	650-2000	>76-87	>1000:1		
IR1550BC4HTC1550-10	1480-1650	>96	>10000:1	10*10 (+0, -0.2)	无保护框 *0.22mm
MIR-10	2000-4500	>65-90	>10000:1	10*10 (+0, -0.2)	无保护框 *0.2mm
	1500-5000	>35-90	>1000:1		

标准偏振片参数表：

型号	波长范围 [nm]	透过率 [%]	消光比 k_t/k_e ¹⁾	厚度 unlaminated [μm]	厚度 laminated [mm]	最大尺寸 [mm x mm]
UV 375 BC5	362 - 392 360 - 397 357 - 403	>40-47 >40-48 >39-48	>100 000:1 >10 000:1 >1 000:1	220±50	2.0±0.2	<=100x50
UV 380 BC4	372 - 388 369 - 390 365 - 395	>52-57 >52-58 >51-59	>100 000:1 >10 000:1 >1 000:1	220±50	2.0±0.2	<=100x50
VIS 500 BC3	475 - 625	>55-81	>1 000:1	280±50	2.0±0.2	<=100x60
VIS 500 BC3 CW01 (AR coated)	475 - 625	>58-90	>1 000:1	280±50	2.0±0.2	<=100x60
VIS 500 BC4	480 - 550	>58-76	>10 000:1	280±50	2.0±0.2	<=100x60
VIS 500 BC4 CW01 (AR coated)	480 - 550	>62-82	>10 000:1	280±50	2.0±0.2	<=100x60
VIS 600 BC5	530 - 640 520 - 720 510 - 800	>62-78 >60-81 >55-83	>100 000:1 >10 000:1 >1 000:1	280±50	2.0±0.2	<=100x60
VIS 600 BC5 CW01 (AR coated)	530 - 640 520 - 740 510 - 750 [800]	>66-83 >63-86 >58-86	>100 000:1 >10 000:1 >1 00:1	280±50	2.0±0.2	<=100x60
VIS 700 BC3	550 - 900	>77-86	>1 000:1	220±50	2.0±0.2	<=100x50
VIS 700 BC3 CW03 (AR coated)	550 - 900	>84-93	>1 000:1	220±50	2.0±0.2	<=100x50
VIS 700 BC4	600 - 850 600 - 1 000	>78-87 >78-88	>10 000:1 >1 000:1	220±50	2.0±0.2	<=100x50
VIS 700 BC4 CW02 (AR coated)	600 - 850 600 - 1 000	>84-93 >84-95	>10 000:1 >1 000:1	220±50	2.0±0.2	<=100x50
VISIR	600 - 1 200 550 - 1 500	>67-84 >57-85	>100 000:1 >10 000:1	260±50	2.0±0.2	<=100x60
VISIR CW02 (AR coated)	600 - 1 200	>71-88	>100 000:1	260±50	2.0±0.2	<=100x60
IR 950 BC4	800 - 1 100 600 - 1 320	>85-87 >80-88	>10 000:1 >1 000:1	220±50	2.0±0.2	<=100x50
IR 950 BC4 CW02 (AR coated)	800 - 1 100 600 - 1 150	>90-94 >82-94	>10 000:1 >1 000:1	220±50	2.0±0.2	<=100x50
IR 1100 BC4	900 - 1 200 750 - 1 400 650 - 1 700	>85-87 >83-87 >80-88	>100 000:1 >10 000:1 >1 000:1	220±50	2.0±0.2	<=100x50
IR 1100 BC4 CW02 (AR coated)	900 - 1 200 750 - 1 250 650 - 1 250	>91-94 >89-94 >86-94	>100 000:1 >10 000:1 >1 000:1	220±50	2.0±0.2	<=100x50
IR 1300 BC5	850 - 1 600 750 - 1 800 650 - 2 000	>82-86 >80-87 >76-87	>100 000:1 >10 000:1 >1 000:1	220±50	2.0±0.2	<=100x50
NIR	1 000 - 2 700 2 700 - 3 000 1 200 - 3 000 1 000 - 3 000	>77 >70	>10 000:1 >1 000:1	250±65	2.0±0.2 at other wavelength ranges ¹⁾	<=100x60
MIR	2 000 - 4 500 1 500 - 5 000	>65-90 >35-90	>10 000:1 >1 000:1	200±50		<=100x50

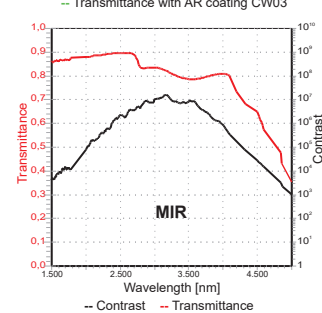
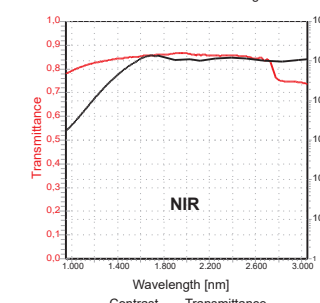
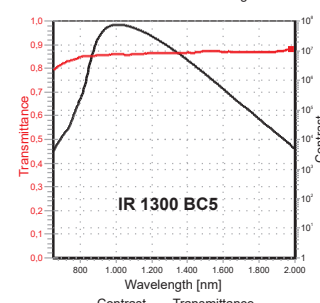
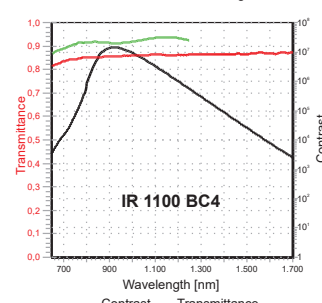
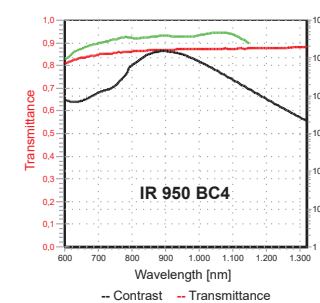
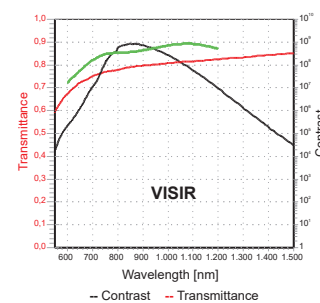
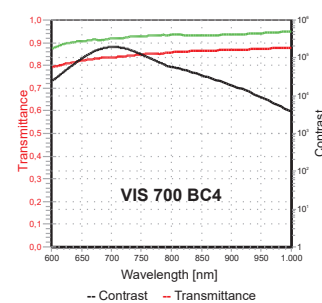
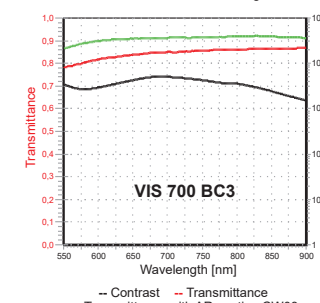
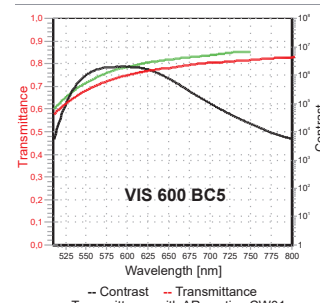
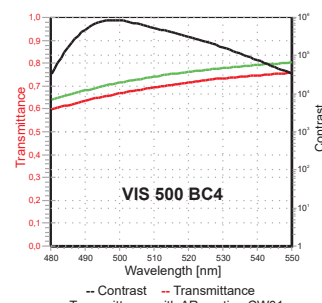
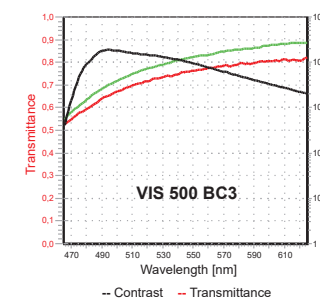
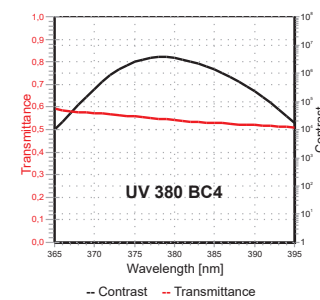
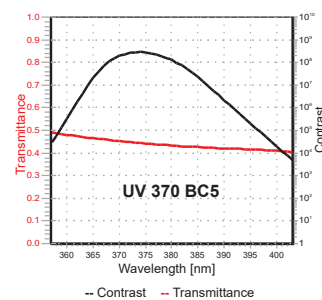
¹⁾ The contrast ratio is defined to be k_t/k_e , where k_t is the transmittance of a polarized beam passing the filter and k_e is the transmittance of a polarized beam blocked by the filter.

²⁾ Wavelength range up to 2 650 nm and with modified transmittance

Contrast ratios >100 000:1, other thicknesses, shapes or dimensions available on special request. Reflection losses can be minimized by anti-reflection-coatings. AR-coatings are available for different wavelength ranges as V-coating or wide-band version.

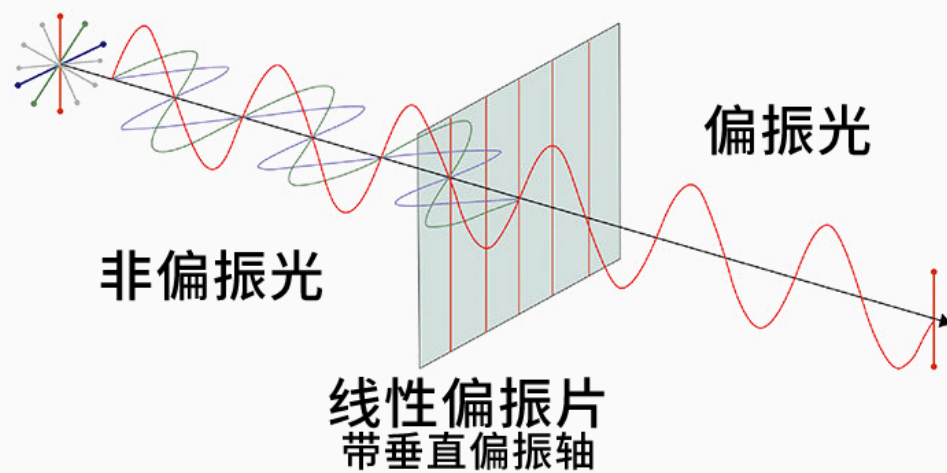
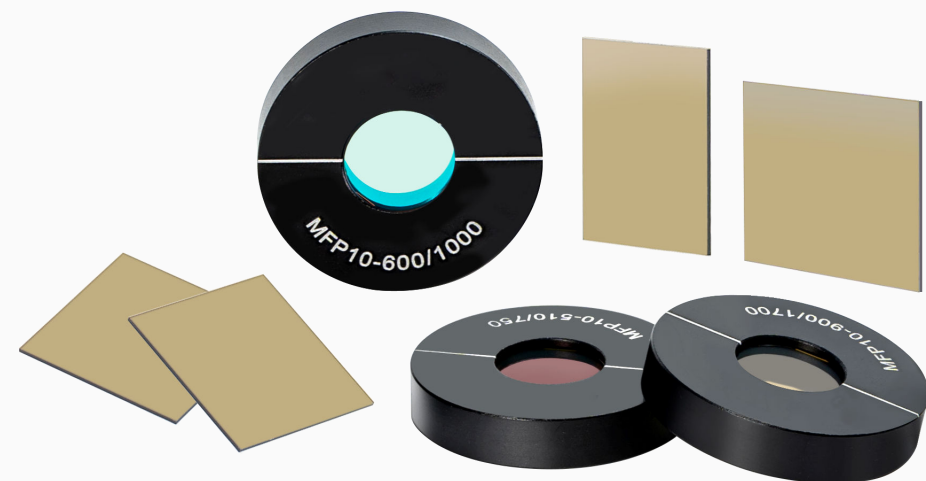
有疑问请咨询：13660096897

产品持续更新·最新信息请参考网站或电话咨询



有疑问请咨询：13660096897

产品持续更新·最新信息请参考网站或电话咨询



极化玻璃偏振片

极化玻璃偏振片是一种具有很高对比度和传导特性的双色极化玻璃偏振片。目前本公司可提供的标准极化玻璃偏振片波长在紫外线（340 - 415 纳米）、可见光以及红外（450 - 2000 纳米）范围。

在近红外波长（1200 - 2500 纳米），偏振片的传导特性非常出色，达到 98%。

本公司的极化玻璃偏振片特点：

- 薄如极化薄膜
- 温度适应范围为 -50°至 +400°
- 可以像玻璃、硅片一样进行加工成型
- 接受入射光的角度范围有很大的仰角
- 抗紫外线辐射以及绝大部分化学制剂的腐蚀

应用领域：

极化玻璃偏振片可用于许多光学仪器，例如：用于偏振光的极化、阻挡或选择性极化光传导，调节或减少亮度、降噪等领域。因其诸多的优越特性和很强的适应性，极化片已应用到许多领域：

- 光传感器
- 光电调制器
- 极化绝缘子
- 照排摄影技术
- 光纤传感技术
- 耐高温型 LC 快门
- 光通讯技术和数据存储保护
- 光测弹性、表面探伤
- 耐高温型液晶显示屏（LCD）
- 实验室配备的滤光镜，如显微镜、椭圆仪以及光谱分析仪

这种新技术可以在硅酸钠玻璃的浅表面生产纹理统一、酷似齐柏林飞船形状的纳米银颗粒。这种银颗粒排列开来就能根据入射光线的波长和偏振度进行吸收。这样非偏振极化光变成线形偏振极化光，而偏振极化光则沿着纳米物质的排列方向被阻挡或被疏导。

本公司的灵活性还在于能够根据客户对极化光谱特性的需求，生产出与标准产品不同的极化玻璃偏振镜。

标准偏振片

按照光学波长范围我们提供从紫外 (UV) 到红外 (IR) 的一系列标准偏振片，每一系列的偏振片在其波长范围内具有很高的对比度，分别用 C3, C4 和 C5 等来标示不同系列。

高透过率偏振片参数表：

型号	波长范围 [nm]	透过率 [%]	消光比 $k_1:k_2$ ¹⁾	厚度 unlaminated [μm]	厚度 laminated [mm]	最大尺寸 [mm x mm]
IR 1310 BC4 HT	1 280 - 1 500	>88	>10 000:1	200±50 270±50 500 _{+20/-80}	-	≤100x50 ≤100x60 ≤100x27
IR 1310 BC4 HT (laminated)	1 280 - 1 500	>87	>10 000:1	-	2.0±0.2	≤100x60
IR 1310 BC4 HT C1310 (AR coated)	1 280 - 1 500	>96	>10 000:1	200±50 270±50 500 _{+20/-80}	-	≤100x50 ≤100x60 ≤100x27
IR 1310 BC4 HT C1310 (AR coated, laminated)	1 280 - 1 500	>95	>10 000:1	-	2.0±0.2	≤100x60
IR 1490 BC4 HT	1 450 - 1 530	>88	>10 000:1	200±50 270±50 500 _{+20/-80}	-	≤100x50 ≤100x60 ≤100x27
IR 1490 BC4 HT (laminated)	1 450 - 1 530	>87	>10 000:1	-	2.0±0.2	≤100x60
IR 1490 BC4 HT C1490 (AR coated)	1 450 - 1 530	>96	>10 000:1	200±50 270±50 500 _{+20/-80}	-	≤100x50 ≤100x60 ≤100x27
IR 1490 BC4 HT C1490 (AR coated, laminated)	1 450 - 1 530	>95	>10 000:1	-	2.0±0.2	≤100x60
IR 1550 BC4 HT	1 480 - 1 650	>88	>10 000:1	200±50 270±50 500 _{+20/-80}	-	≤100x50 ≤100x60 ≤100x27
IR 1550 BC4 HT (laminated)	1 480 - 1 650	>87	>10 000:1	-	2.0±0.2	≤100x60
IR 1550 BC4 HT C1550 (AR coated)	1 480 - 1 650	>96	>10 000:1	200±50 270±50 500 _{+20/-80}	-	≤100x50 ≤100x60 ≤100x27
IR 1550 BC4 HT C1550 (AR coated, laminated)	1 480 - 1 650	>95	>10 000:1	-	2.0±0.2	≤100x60
IR 2000 BC2 T2 HT	1 600 - 2 500 1 550 - 1 500	>90	>100:1	200±50	-	≤100x50
IR 2000 BC2 T2 HT (laminated)	1 600 - 2 150 2 150 - 2 500	>82 >62	>100:1	-	2.0±0.2	≤100x50
IR 2000 BC2 T2 HT CW06 (AR coated)	1 600 - 2 500	>96	>100:1	200±50	-	≤100x50
IR 2000 BC2 T2 HT CW06 (AR coated, laminated)	1 600 - 1 650 1 650 - 1 850 1 850 - 2 150 2 150 - 2 500	>96 >90 >93 >70	>100:1	-	2.0±0.2	≤100x50

¹⁾ The contrast ratio is defined to be k_1/k_2 , where k_1 is the transmittance of a polarized beam passing the filter and k_2 is the transmittance of a polarized beam blocked by the filter.

Contrast ratios >100,000:1, other thicknesses, shapes or dimensions available on special request. Reflection losses can be minimized by anti-reflection-coatings. AR-coatings are available for different wavelength ranges as V-coating or wide-band version.

Typical performance of high transmittance polarizers

