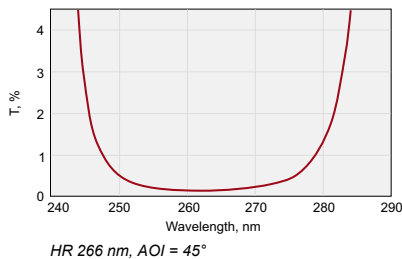


Laser Line Mirrors

Substrate material: **UV grade Fused Silica**



Size – **Ø12.7 × 3 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
262–266	99 / 99	041-0260-i0	041-0260	81 / 81
351–361	99.8 / 99.5	041-0350-i0	041-0350	77 / 77
527–532	99.8 / 99.5	041-0530-i0	041-0530	72 / 72
1047–1064	99.8 / 99.5	041-1060-i0	041-1060	72 / 72

Size – **Ø25.4 × 6 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
262–266	99 / 99	042-0260-i0	042-0260	111 / 111
351–361	99.8 / 99.5	042-0350-i0	042-0350	107 / 107
	– / 99.9	–	042-0350HHR	– / 175
527–532	99.8 / 99.5	042-0530-i0	042-0530	102 / 102
	99.9 / 99.9	042-0530HHR-i0	042-0530HHR	145 / 145
1047–1064	99.8 / 99.5	042-1060-i0	042-1060	102 / 102
	99.9 / 99.9	042-1060HHR-i0	042-1060HHR	145 / 145

Size – **Ø50.8 × 8 mm**

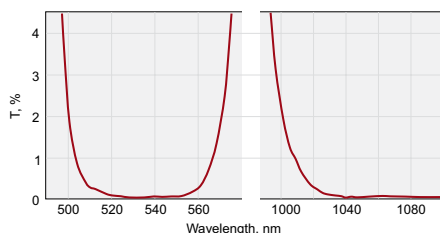
Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
262–266	99 / 99	045-0260-i0	045-0260	207 / 207
351–361	99.8 / 99.5	045-0350-i0	045-0350	187 / 187
527–532	99.8 / 99.5	045-0530-i0	045-0530	169 / 169
1047–1064	99.8 / 99.5	045-1060-i0	045-1060	169 / 169

Size – **Ø76.2 × 12.7 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
351–361	99.8 / 99.5	047-0350-i0	047-0350	281 / 281
527–532	99.8 / 99.5	047-0530-i0	047-0530	258 / 258
1047–1064	99.8 / 99.5	047-1060-i0	047-1060	258 / 258

Dual Band Mirrors

Substrate material: **BK7 grade A**



Size – **Ø12.7 × 3 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
532+1064	99.8 / 99.5	051-5306-i0	051-5306	85 / 85
633+1064	99.8 / 99.5	051-6306-i0	051-6306	85 / 85

Size – **Ø25.4 × 6 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
532+1064	99.8 / 99.5	051-5306-i0	051-5306	103 / 103
633+1064	99.8 / 99.5	051-6306-i0	051-6306	103 / 103

Size – **Ø50.8 × 8 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
532+1064	99.8 / 99.5	051-5306-i0	051-5306	151 / 151
633+1064	99.8 / 99.5	051-6306-i0	051-6306	151 / 151

Size – **Ø76.2 × 12.7 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
532+1064	99.8 / 99.5	051-5306-i0	051-5306	227 / 227
633+1064	99.8 / 99.5	051-6306-i0	051-6306	227 / 227

RELATED PRODUCTS

Prisms

See page 1.38

Kinematic
Mirror/Beamsplitter
Mounts 840-0056

See page 8.66



Dual Band Mirrors

Substrate material: **UV grade Fused Silica**

Size – **Ø12.7 × 3 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
532+1064	99.8 / 99.5	061-5306-i0	061-5306	109 / 109
633+1064	99.8 / 99.5	061-6306-i0	061-6306	109 / 109
355+532	99.8 / 99.5	061-3553-i0	061-3553	115 / 115

Size – **Ø25.4 × 6 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
532+1064	99.8 / 99.5	062-5306-i0	062-5306	134 / 134
		062-5306HHR-i0	062-5306HHR	180 / 180
633+1064	99.8 / 99.5	062-6306-i0	062-6306	134 / 134
355+532	99.8 / 99.5	062-3553-i0	062-3553	139 / 139

Size – **Ø50.8 × 8 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
532+1064	99.8 / 99.5	065-5306-i0	065-5306	209 / 209
633+1064	99.8 / 99.5	065-6306-i0	065-6306	209 / 209
355+532	99.8 / 99.5	065-3553-i0	065-3553	215 / 215

Size – **Ø76.2 × 12.7 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number		Price, EUR AOI=0° / AOI=45°
		AOI=0°	AOI=45°	
532+1064	99.8 / 99.5	067-5306-i0	067-5306	318 / 318
633+1064	99.8 / 99.5	067-6306-i0	067-6306	318 / 318
355+532	99.8 / 99.5	067-3553-i0	067-3553	323 / 323

RELATED PRODUCTS

Laser Line and Dual Laser Line Mirrors of other wavelengths

See page 1.17



Metal Coated Mirrors

See page 1.20

LASER HARMONIC SEPARATORS

- Offered on Ø 0.5 or 1 inch substrates of BK7 or UV FS with surface flatness $\lambda/10$

Harmonic separators are dichroic beamsplitters that reflect one wavelength and transmit the others. Reflectance is higher than 99.5% for the wavelength of interest and transmittance is at least 90% for the rejected wavelengths. The rear surface of harmonic separators is antireflection coated.

SUBSTRATE

Material	UV grade Fused Silica or BK7 glass
S1 Surface Flatness	$\lambda/10$ typical at 633 nm
S1 Surface Quality	20–10 scratch & dig (MIL-PRF-13830B)
S2 Surface Flatness	$\lambda/10$ typical at 633 nm
S2 Surface Quality	20–10 scratch & dig (MIL-PRF-13830B)
Diameter Tolerance	+0.00 mm -0.12 mm
Thickness Tolerance	± 0.25 mm
Parallelism	< 30 arcsec
Chamfer	0.3 mm at 45° typical

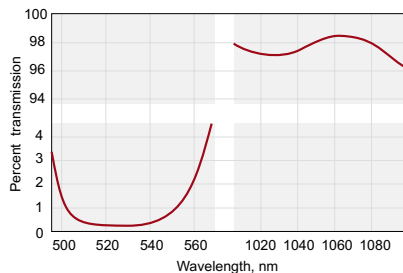
COATING

Technology	Electron beam multilayer dielectric
Adhesion and Durability	Per MIL-C-675A. Insoluble in lab solvents
Clear Aperture	Exceeds central 85% of diameter
Damage Threshold:	
BK7	>5 J/cm ² , 8 nsec pulse, 1064 nm typical
UV FS	>8 J/cm ² , 8 nsec pulse, 1064 nm typical
Coated Surface Flatness	$\lambda/10$ at 633 nm over clear aperture
Back side antireflection coated	AOI 45°, R<0.5% AOI 0°, R<0.1%

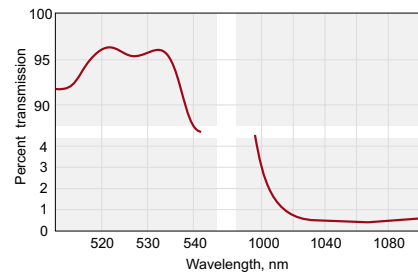
RELATED PRODUCTS

Pellin-Broca Prisms

See page 1.40



031-5105.
HR > 99.5% @ 532 nm, HT > 95% @ 1064 nm, AOI = 45°



031-6500.
HR > 99.5% @ 1064 nm, HT > 93% @ 532 nm, AOI = 0°