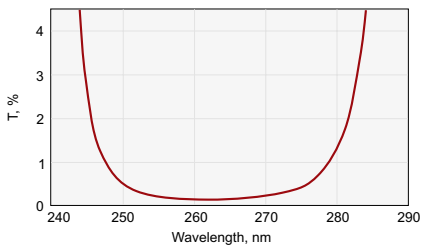


## LASER LINE MIRRORS

Substrate material: **UV grade Fused Silica**



HR 266 nm, AOI = 45°

Wavelength, nm	AOI=0°		AOI=45°	
	R, % (s+p)/2	Catalogue number	R, % (s+p)/2	Catalogue number

### Size – Ø12.7 × 3 mm

262–266	99	<b>041-0260-i0</b>	99	<b>041-0260</b>
351–361	99.7	<b>041-0350-i0</b>	99.5	<b>041-0350</b>
527–532	99.7	<b>041-0530-i0</b>	99.5	<b>041-0530</b>
1047–1064	99.7	<b>041-1060-i0</b>	99.5	<b>041-1060</b>

### Size – Ø12.7 × 6 mm

262–266	99	<b>041-0260T6-i0</b>	99	<b>041-0260T6</b>
351–361	99.7	<b>041-0350T6-i0</b>	99.5	<b>041-0350T6</b>
527–532	99.7	<b>041-0530T6-i0</b>	99.5	<b>041-0530T6</b>
1047–1064	99.7	<b>041-1060T6-i0</b>	99.5	<b>041-1060T6</b>

### Size – Ø25.4 × 6 mm

262–266	99	<b>042-0260-i0</b>	99	<b>042-0260</b>
351–361	99.7	<b>042-0350-i0</b>	99.5	<b>042-0350</b>
527–532	99.7	<b>042-0530-i0</b>	99.5	<b>042-0530</b>
1047–1064	99.7	<b>042-1060-i0</b>	99.5	<b>042-1060</b>

### Size – Ø50.8 × 8 mm

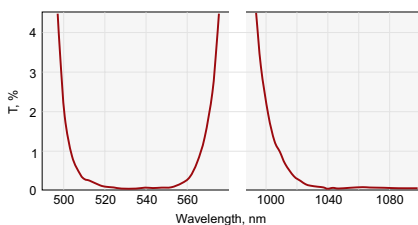
262–266	99	<b>045-0260-i0</b>	99	<b>045-0260</b>
351–361	99.7	<b>045-0350-i0</b>	99.5	<b>045-0350</b>
527–532	99.7	<b>045-0530-i0</b>	99.5	<b>045-0530</b>
1047–1064	99.7	<b>045-1060-i0</b>	99.5	<b>045-1060</b>

### Size – Ø76.2 × 12.7 mm

351–361	99.7	<b>047-0350-i0</b>	99.5	<b>047-0350</b>
527–532	99.7	<b>047-0530-i0</b>	99.5	<b>047-0530</b>
1047–1064	99.7	<b>047-1060-i0</b>	99.5	<b>047-1060</b>

## DUAL BAND MIRRORS

Substrate material: **BK7 grade A**



HR 532+1064 nm, AOI = 45°

Wavelength, nm	AOI=0°		AOI=45°	
	R, % (s+p)/2	Catalogue number	R, % (s+p)/2	Catalogue number

### Size – Ø12.7 × 3 mm

532+1064	99.7	<b>051-5306-i0</b>	99.5	<b>051-5306</b>
633+1064	99.7	<b>051-6306-i0</b>	99.5	<b>051-6306</b>

### Size – Ø12.7 × 6 mm

532+1064	99.7	<b>051-5306T6-i0</b>	99.5	<b>051-5306T6</b>
633+1064	99.7	<b>051-6306T6-i0</b>	99.5	<b>051-6306T6</b>

### Size – Ø25.4 × 6 mm

532+1064	99.7	<b>052-5306-i0</b>	99.5	<b>052-5306</b>
633+1064	99.7	<b>052-6306-i0</b>	99.5	<b>052-6306</b>

### Size – Ø50.8 × 8 mm

532+1064	99.7	<b>055-5306-i0</b>	99.5	<b>055-5306</b>
633+1064	99.7	<b>055-6306-i0</b>	99.5	<b>055-6306</b>

### Size – Ø76.2 × 12.7 mm

532+1064	99.7	<b>057-5306-i0</b>	99.5	<b>057-5306</b>
633+1064	99.7	<b>057-6306-i0</b>	99.5	<b>057-6306</b>

## Related Products

Prisms See page 1.50

Kinematic Mirror/Beamsplitter Mounts 840-0056

Find more at [EksmaOptics.com](http://EksmaOptics.com)



## DUAL BAND MIRRORS

Substrate material: **UV grade Fused Silica**

Wavelength, nm	AOI=0°		AOI=45°	
	R, % (s+p)/2	Catalogue number	R, % (s+p)/2	Catalogue number
<b>Size – Ø12.7 × 3 mm</b>				
532+1064	99.7	061-5306-i0	99.5	061-5306
633+1064	99.7	061-6306-i0	99.5	061-6306
355+532	99.7	061-3553-i0	99.5	061-3553
<b>Size – Ø12.7 × 6 mm</b>				
532+1064	99.7	061-5306T6-i0	99.5	061-5306T6
633+1064	99.7	061-6306T6-i0	99.5	061-6306T6
355+532	99.7	061-3553T6-i0	99.5	061-3553T6
<b>Size – Ø25.4 × 6 mm</b>				
532+1064	99.7	062-5306-i0	99.5	062-5306
633+1064	99.7	062-6306-i0	99.5	062-6306
355+532	99.7	062-3553-i0	99.5	062-3553
<b>Size – Ø50.8 × 8 mm</b>				
532+1064	99.7	065-5306-i0	99.5	065-5306
633+1064	99.7	065-6306-i0	99.5	065-6306
355+532	99.7	065-3553-i0	99.5	065-3553
<b>Size – Ø76.2 × 12.7 mm</b>				
532+1064	99.7	067-5306-i0	99.5	067-5306
633+1064	99.7	067-6306-i0	99.5	067-6306
355+532	99.7	067-3553-i0	99.5	067-3553

## Related Products

Laser Line and Dual Laser Line Mirrors of other wavelengths

See page 1.19



Metal Coated Mirrors

See page 1.25

## HIGH POWER IBS COATED LASER MIRRORS

### Substrate

Material	UV grade fused silica
S1 Surface Flatness	$\lambda/10$ at 633 nm
S1 Surface Quality	20 – 10 scratch & dig (MIL-PRF-13830B)
S2 Surface Quality	Commercial polish
Diameter Tolerance	+0.00 mm / -0.12 mm
Thickness Tolerance	$\pm 0.25$ mm
Wedge	< 3 min
Chamfer	0.3 mm at 45° typical

### Coating

Technology	Ion Beam Sputtering (IBS)
Adhesion and Durability	Per MIL-C-675A, Insoluble in lab solvents
Clear Aperture	Exceeds central 85% of diameter
Coated Surface Flatness	$\lambda/10$ at 633 nm over clear aperture

**Design wavelength – 266 nm.** LIDT > 6 J/cm<sup>2</sup>, 10 ns pulse, 100 Hz, 266 nm typical

Wavelength, nm	AOI, deg	R, % (s+p)/2	Ø 12.7 x 6 mm	Ø 25.4 x 6 mm	Ø 50.8 x 12 mm
			Catalogue number	Catalogue number	Catalogue number
266	45	99.5	041-0266HHR	042-0266HHR	045-0266HHR
266	0	99.5	041-0266HHR-i0	042-0266HHR-i0	045-0266HHR-i0

**Design wavelength – 355 nm.** LIDT > 10 J/cm<sup>2</sup>, 10 ns pulse, 100 Hz, 355 nm typical

Wavelength, nm	AOI, deg	R, % (s+p)/2	Ø 12.7 x 6 mm	Ø 25.4 x 6 mm	Ø 50.8 x 12 mm
			Catalogue number	Catalogue number	Catalogue number
355	45	99.8	041-0350T6UHHR	042-0350UHHR	045-0350UHHR
355	0	99.8	041-0350T6UHHR-i0	042-0350UHHR-i0	045-0350UHHR-i0

**Design wavelength – 532 nm.** LIDT > 10 J/cm<sup>2</sup>, 10 ns pulse, 100 Hz, 532 nm typical.

Wavelength, nm	AOI, deg	R, % (s+p)/2	Ø 12.7 x 6 mm	Ø 25.4 x 6 mm	Ø 50.8 x 12 mm
			Catalogue number	Catalogue number	Catalogue number
532	45	99.9	041-0530T6HHR	042-0530HHR	045-0530T12HHR
532	0	99.95	041-0530T6HHR-i0	042-0530HHR-i0	045-0530T12HHR-i0
532	0-45	99.9	041-0530T6HHR-i0-45	042-0530HHR-i0-45	045-0530T12HHR-i0-45



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高速分光測定装置、クライオスタット



Nd:YAGレーザー、Ti:Sレーザー  
OPOLレーザー

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