

DUAL LINE LASER MIRRORS

SPECIFICATIONS

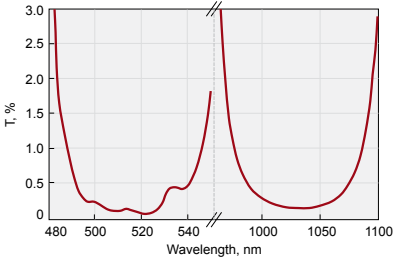
Coating	Hard dielectric High Reflection R>99.5
Angle of Incidence	0 or 45±3°
Designed for average polarization	R=(R _s +R _p)/2
Laser Damage Threshold	>50 mJ/cm ² , 50 fsec pulse, 800 nm typical

SUBSTRATE

Material	UV grade Fused Silica or BK7 glas
S1 Surface Flatness	
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	±0.25 mm
Wedge	< 3 min
Chamfer	0.3 mm at 45° typical

Dual Laser Line Mirrors

Substrate material: **BK7 grade A**



HR>99.5% @ 500-530 nm+1000-1060 nm, AOI = 45°

Size: **12.7 × 3 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number	
		AOI=0°	AOI=45°
390-410+780-820	99.8 / 99.5	051-4080-i0	051-4080
500-530+1000-1060	99.8 / 99.5	051-5103-i0	051-5103

Size: **25.4 × 6 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number	
		AOI=0°	AOI=45°
390-410+780-820	99.8 / 99.5	052-4080-i0	052-4080
500-530+1000-1060	99.8 / 99.5	052-5103-i0	052-5103

Size: **50.8 × 8 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number	
		AOI=0°	AOI=45°
390-410+780-820	99.8 / 99.5	055-4080-i0	055-4080
500-530+1000-1060	99.8 / 99.5	055-5103-i0	055-5103

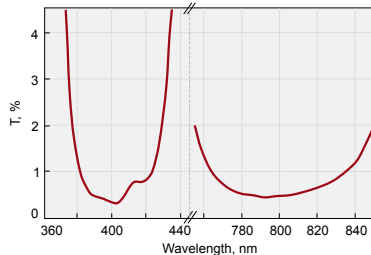
Size: **76.2 × 12.7 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number	
		AOI=0°	AOI=45°
390-410+780-820	99.8 / 99.5	057-4080-i0	057-4080
500-530+1000-1060	99.8 / 99.5	057-5103-i0	057-5103

Dual Laser Line Mirrors

Substrate material: **UV grade Fused Silica**

Recommended for high power laser applications operating in UV region.



HR>99% @ 400 nm + 800 nm, AOI = 45°

Size: **12.7 × 3 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number	
		AOI=0°	AOI=45°
390-410+780-820	99.8 / 99.5	061-4080-i0	061-4080
500-530+1000-1060	99.8 / 99.5	061-5103-i0	061-5103

Size: **25.4 × 6 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number	
		AOI=0°	AOI=45°
390-410+780-820	99.8 / 99.5	062-4080-i0	062-4080
500-530+1000-1060	99.8 / 99.5	062-5103-i0	062-5103

Size: **50.8 × 8 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number	
		AOI=0°	AOI=45°
390-410+780-820	99.8 / 99.5	065-4080-i0	065-4080
500-530+1000-1060	99.8 / 99.5	065-5103-i0	065-5103

Size: **76.2 × 12.7 mm**

Wavelength, nm	R, % (s+p)/2 AOI=0° / AOI=45°	Catalogue number	
		AOI=0°	AOI=45°
390-410+780-820	99.8 / 99.5	067-4080-i0	067-4080
500-530+1000-1060	99.8 / 99.5	067-5103-i0	067-5103

RELATED PRODUCTS

Laser Line and Dual Laser Line Mirrors of other wavelengths
See page 1.17



Prisms
See page 1.37

Kinematic Mirror/Beamsplitter Mounts 840-0056
See page 8.62

