

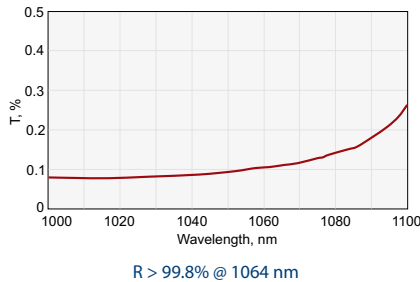
LASER REAR MIRRORS

Substrate

Material	UV grade Fused Silica or BK7 glass
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	± 0.25
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	$> 2 \text{ J/cm}^2$, 8 nsec pulse, 1064 nm
UV FS	$> 5 \text{ J/cm}^2$, 8 nsec pulse, 1064 nm
Angle of Incidence	0 – 8° (normal)
Reflectivity	R > 99.7%



Size – $\varnothing 25.4 \times 6 \text{ mm}$

Wavelength, nm	Substrate type	Radius, mm	Substrate material	Catalogue number	Price, EUR
1047–1064	Plano	∞	BK7	032-1060-i0	86
1064	Plano-concave	-50	BK7	032-8005	102
1064	Plano-concave	-100	BK7	032-8010	102
1064	Plano-concave	-150	BK7	032-8015	102
1064	Plano-concave	-200	BK7	032-8020	102
1064	Plano-concave	-250	BK7	032-8025	102
1064	Plano-concave	-500	BK7	032-8050	102
1064	Plano-concave	-1000	BK7	032-8100	102
1064	Plano-concave	-2000	BK7	032-8200	102
1064	Plano-concave	-2500	BK7	032-8250	102
1064	Plano-concave	-4000	BK7	032-8400	102
1064	Plano-concave	-5000	BK7	032-8500	102
1047–1064	Plano	∞	UV FS	042-1060-i0	104
1064	Plano-concave	-50	UV FS	042-8005	125
1064	Plano-concave	-100	UV FS	042-8010	125
1064	Plano-concave	-150	UV FS	042-8015	125
1064	Plano-concave	-200	UV FS	042-8020	125
1064	Plano-concave	-250	UV FS	042-8025	125
1064	Plano-concave	-500	UV FS	042-8050	125
1064	Plano-concave	-1000	UV FS	042-8100	125
1064	Plano-concave	-2000	UV FS	042-8200	125
1064	Plano-concave	-2500	UV FS	042-8250	125
1064	Plano-concave	-4000	UV FS	042-8400	125
1064	Plano-concave	-5000	UV FS	042-8500	125
1064	Plano-convex	+100	BK7	032-9010	107
1064	Plano-convex	+200	BK7	032-9020	107
1064	Plano-convex	+300	BK7	032-9030	107
1064	Plano-convex	+500	BK7	032-9050	107
1064	Plano-convex	+1000	BK7	032-9100	107
1064	Plano-convex	+2000	BK7	032-9200	107
1064	Plano-convex	+3000	BK7	032-9300	107
1064	Plano-convex	+4000	BK7	032-9400	107
1064	Plano-convex	+100	UV FS	042-9010	130
1064	Plano-convex	+200	UV FS	042-9020	130
1064	Plano-convex	+300	UV FS	042-9030	130
1064	Plano-convex	+500	UV FS	042-9050	130
1064	Plano-convex	+1000	UV FS	042-9100	130
1064	Plano-convex	+2000	UV FS	042-9200	130
1064	Plano-convex	+3000	UV FS	042-9300	130
1064	Plano-convex	+4000	UV FS	042-9400	130

Related Products

Uncoated Curved Windows [See page 1.6](#)

Kinematic Mirror Mount 840-0010

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