

λ/10 Aluminum Mirrors

Specifications

- **Substrate Material:** Fused Silica
- **Front Surface Scratch-Dig:** 40-20
- **Front Surface Flatness:** λ/10 @ 633nm
- **Diameter Tolerance:** +0.0/-0.1mm
- **Wedge:** <5arcmin
- **Chamfer:** 0.25mm @ 45° Typ.
- **Clear Aperture:** >90% of Diameter

UV Enhanced Aluminum Mirrors

- Reflectivity: R_{AVG} >85% From 250 to 600nm

Protected Aluminum Mirrors

- Reflectivity: R_{AVG} >90% From 400nm to 10.0μm



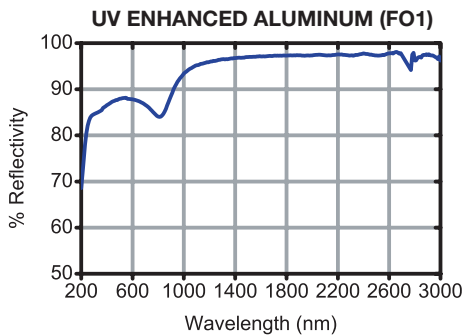
UV Enhanced Aluminum

Aluminum coated mirrors are cost-effective and offered in a variety of sizes. Bare aluminum is extremely delicate and susceptible to damage. A protective overcoat is layered over the aluminum to make it damage resistant. Our UV Enhanced coating is made by using an overcoat of MgF_2 that increases the average reflectance to over >90% from 300 to 600nm.

Protected Aluminum

For an inexpensive solution and general broadband use, a protected aluminum coated mirror is the best option. A protective layer of SiO coating is applied to the delicate aluminum coating to make it suitable for laboratory and industrial use. The protective layer of SiO has a minimal effect on the reflectivity of the mirror.

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- Mirrors**
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- Windows
- Prisms
- Gratings
- Polarization Optics
- Beamsplitters
- Filters & Attenuators
- Gas Cells



UV Enhanced Aluminum Mirrors

ITEM #	DIA	\$	£	€	RMB	DESCRIPTION
PF05-03-F01	1/2"	\$ 29.60	£ 18.60	€ 27.50	¥ 282.70	Ø1/2" (12.7mm) Enhanced Aluminum Mirror
PF10-03-F01	1"	\$ 47.90	£ 30.20	€ 44.50	¥ 457.40	Ø1" (25.4mm) Enhanced Aluminum Mirror
PF20-03-F01	2"	\$ 93.80	£ 59.10	€ 87.20	¥ 895.80	Ø2" (50.8mm) Enhanced Aluminum Mirror

UV Enhanced Aluminum Mirrors (Packs of 10)

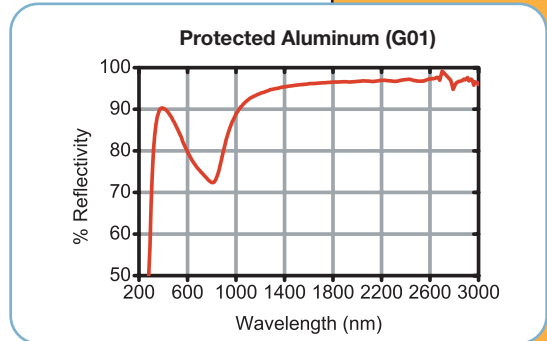
ITEM #	DIA	\$	£	€	RMB	DESCRIPTION
PF05-03-F01-10	1/2"	\$ 266.40	£167.40	€ 247.50	¥2,544.30	Ø1/2" Enhanced Aluminum Mirror, Pack of 10
PF10-03-F01-10	1"	\$ 431.10	£271.80	€ 400.50	¥4,116.60	Ø1" Enhanced Aluminum Mirror, Pack of 10
PF20-03-F01-10	2"	\$ 844.20	£531.90	€ 784.80	¥8,062.20	Ø2" Enhanced Aluminum Mirror, Pack of 10

Protected Aluminum Mirrors

ITEM #	DIA	\$	£	€	RMB	DESCRIPTION
PF05-03-G01	1/2"	\$ 31.60	£ 19.90	€ 29.40	¥ 301.80	Ø1/2" (12.7mm) Protected Aluminum Mirror
PF10-03-G01	1"	\$ 47.90	£ 30.20	€ 44.50	¥ 457.40	Ø1" (25.4mm) Protected Aluminum Mirror
PF20-03-G01	2"	\$ 94.90	£ 59.80	€ 88.30	¥ 906.30	Ø2" (50.8mm) Protected Aluminum Mirror

Protected Aluminum Mirrors (Packs of 10)

ITEM #	DIA	\$	£	€	RMB	DESCRIPTION
PF05-03-G01-10	1/2"	\$ 284.40	£179.10	€ 264.60	¥2,716.20	Ø1/2" Protected Aluminum Mirror, Pack of 10
PF10-03-G01-10	1"	\$ 431.10	£271.80	€ 400.50	¥4,116.60	Ø1" Protected Aluminum Mirror, Pack of 10
PF20-03-G01-10	2"	\$ 854.10	£538.20	€ 794.70	¥8,156.70	Ø2" Protected Aluminum Mirror, Pack of 10



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The Line



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CAMERA**

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