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Find the *ThorLabs PF10-03* at our website: *Click HERE*

AR Coating Plot on Page 589

Precision Optical Flats/Mirror Blanks



Specifications

- **Substrate Material:** Fused Silica
- **Front Surface Flatness:** >λ/10 at 633 nm
- **Front Surface Quality:** 40-20 Scratch-Dig
- **Diameter Tolerance:** +0.00/-0.10 mm
- **Back Surface:** Fine Ground

These precision optical flats are useful for custom coating runs. The high-quality front surface is polished to λ/4 while the back surface is frosted to prevent stray beams in a setup. Large-quantity OEM pricing is available. Please call your local Thorlabs office for details.

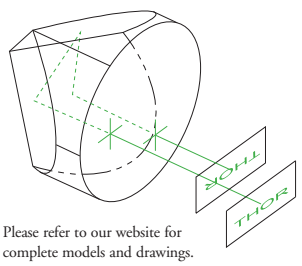
ITEM#	$	£	€	RMB	DIAMETER	THICKNESS
PF05-03	$ 25.50	£ 17.70	€ 22,70	¥ 215.40	12.7 mm (1/2")	6 mm ± 0.2 mm
PF10-03	$ 45.90	£ 31.90	€ 40,80	¥ 387.60	25.4 mm (1")	6 mm ± 0.2 mm
PF20-03	$ 76.50	£ 53.10	€ 68,00	¥ 646.00	50.8 mm (2")	12.0 mm ± 0.2 mm

Retroreflector



Specifications

- **Material:** N-BK7, Grade A Fine Anneal
- **Surface Quality:** 40-20 Scratch-Dig
- **Surface Flatness:** λ/10 at 633 nm
- **Clear Aperture:** 70%
- **Beam Deviation:** 3 arcmin



Please refer to our website for complete models and drawings.

This trihedral prism is manufactured from a solid piece of glass. Via three total internal reflections (TIR), light from an image or beam is reflected back toward its original direction. The beam or image will be reflected through 180° even if the angle of incidence is not zero. The insensitivity of the alignment of the prism makes it an ideal retroreflecting optic.

Standard Broadband AR Coatings

To order the prism with a standard broadband AR Coating, add the coating code to the Item#, and then add the coating cost to the prism price. Example: PS970 coated with a 350-700 nm Broadband AR Coating is PS970-A, and the cost is $18.00 + $9.20 = $27.20.

COATING	WAVELENGTH	$	£	€	RMB
-A	350 - 700 nm	$ 9.20	£ 6.40	€ 8,20	¥ 77.70
-B	650 - 1050 nm	$ 9.20	£ 6.40	€ 8,20	¥ 77.70
-C	1050 - 1620 nm	$ 12.20	£ 8.45	€ 10,90	¥ 103.10

ITEM#	$	£	€	RMB	DIAMETER	L	DESCRIPTION
PS970	$ 81.30	£ 56.40	€ 72,20	¥ 686.50	10 mm	9 mm	Ø10 mm Retroreflector Prism
PS971	$ 93.80	£ 65.10	€ 83,30	¥ 792.10	25.4 mm	22 mm	Ø25.4 mm Retroreflector Prism
PS973	$ 111.30	£ 77.20	€ 98,90	¥ 939.90	50 mm	42 mm	Ø50 mm Retroreflector Prism

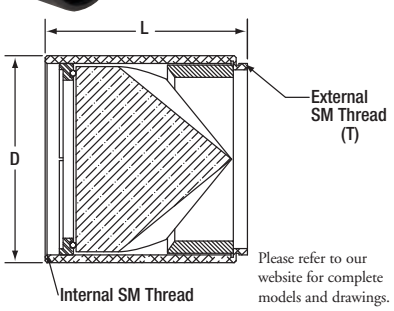
Mounted Retroreflector

Our standard retroreflecting prisms are now available in updated mounted versions. The multipurpose mount allows for the prism to be integrated easily into an optical setup while eliminating the need to handle the optic itself. The mount is compatible with our SM Series of Optomechanics (see page 117).

Mechanical Drawings Available on the WEB







Please refer to our website for complete models and drawings.

ITEM#	D	L	T	DESCRIPTION	$	£	€	RMB
PS970M	0.70"	0.65"	SM05	Mounted PS970	$ 105.00	£ 72.80	€ 93,30	¥ 886.70
PS971M	1.20"	1.15"	SM1	Mounted PS971	$ 120.00	£ 83.20	€ 106,60	¥ 1,013.30
PS973M	2.20"	2.15"	SM2	Mounted PS973	$ 150.00	£ 104.00	€ 133,20	¥ 1,266.70

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