

For current pricing, please see our website.

CHAPTERS

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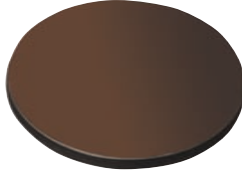
Prisms

Gratings

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Diffusers

AR-Coated Absorptive Neutral Density Filters, Unmounted



Specifications

- **Substrate Material:** NG11, NG4, or NG9 (Schott)
- **Diameter:** 25.0 +0.0/-0.25 mm
- **Clear Aperture:** 90% of Diameter
- **Surface Flatness:** $\lambda/4$ at 633 nm
- **Surface Quality:** 40-20 Scratch-Dig
- **Parallelism:** ≤ 10 arcsec

Thorlabs is pleased to offer its most popular absorptive neutral density filters with broadband antireflection coatings. These broadband AR coatings, which are available for either the 350 - 700 nm or the 650 - 1050 nm range, are deposited on both surfaces and minimize Fresnel reflections. The coatings provide an average reflectivity that is less than 0.5% over the entire wavelength range when light is normally incident on the filter surface.

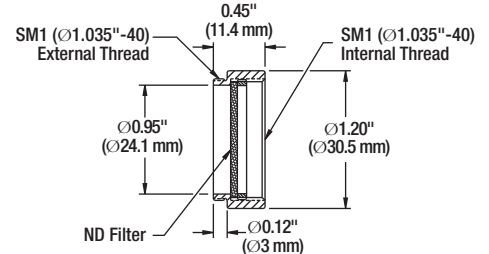
ITEM #	ITEM #	OPTICAL DENSITY*	THICKNESS	SUBSTRATE	\$	£	€	RMB
350 - 700 nm	650 - 1050 nm							
NE03B-A	NE03B-B	0.3	2.30 mm	NG11	\$ 52.00	£ 37.44	€ 45.24	¥ 414.44
NE10B-A	NE10B-B	1.0	1.89 mm	NG4	\$ 52.00	£ 37.44	€ 45.24	¥ 414.44
NE20B-A	NE20B-B	2.0	1.40 mm	NG9	\$ 52.00	£ 37.44	€ 45.24	¥ 414.44

*Nominal Optical Density at 633 nm

AR-Coated Absorptive Neutral Density Filters, Mounted



The mounted versions of our AR-coated Absorptive ND Filters are housed in engraved SM1L03 Ø1" lens tubes, which are compatible with a wide range of rigid construction optomechanical parts such as our cage systems and SM1-threaded mounts.



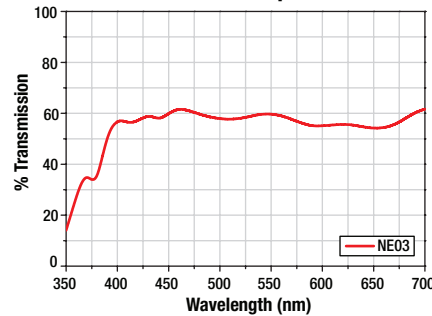
Mounted ND Filter

ITEM #	ITEM #	OPTICAL DENSITY*	THICKNESS	SUBSTRATE	\$	£	€	RMB
350 - 700 nm	650 - 1050 nm							
NE03A-A	NE03A-B	0.3	2.30 mm	NG11	\$ 68.20	£ 49.10	€ 59.33	¥ 543.55
NE10A-A	NE10A-B	1.0	1.89 mm	NG4	\$ 68.20	£ 49.10	€ 59.33	¥ 543.55
NE20A-A	NE20A-B	2.0	1.40 mm	NG9	\$ 68.20	£ 49.10	€ 59.33	¥ 543.55

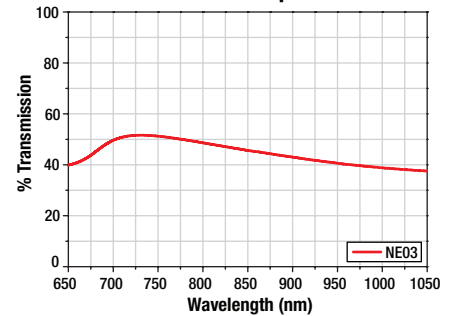
*Nominal Optical Density at 633 nm

Each AR-Coated Absorptive Neutral Density Filter Ships with its Own Calibrated Transmission Data

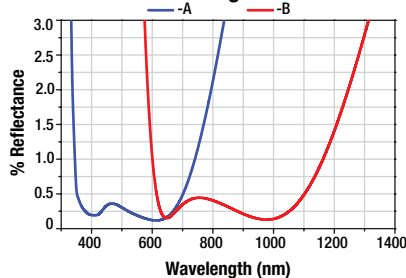
NE03 -A Coated Absorptive ND Filters



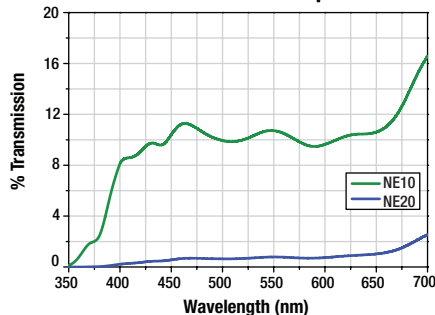
NE03 -B Coated Absorptive ND Filters



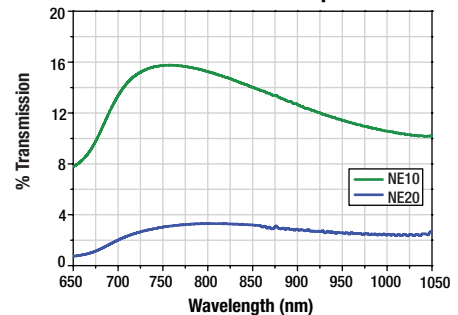
AR Coating Curves



NE10 and NE20 -A Coated Absorptive ND Filters



NE10 and NE20 -B Coated Absorptive ND Filters



Please contact your local Thorlabs office for custom optical scans.