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ABOUT ACTON OPTICS | PRINCETON INSTRUMENTS

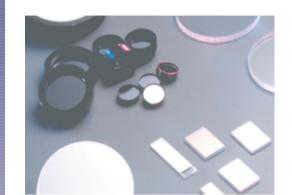


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Features



Our broadband UV-NIR neutral density filters deliver constant transmission from 190 nm to 1700 nm, consistent attenuation from the UV to the NIR, and superior optical performance and wavefront quality. These ND filters, which are perfect for use with broadband sources like xenon, deuterium, and tungsten halogen, are often utilized in precision optical systems, spectrometers, and medical systems.

Other manufacturers of similar products cannot match the unique broadband performance of these UV-NIR neutral density filters. By employing patented UV coating processes, we are able to offer broadband neutral density performance down to 190 nm. Our exclusive filter coatings can be deposited on custom-sized substrates for OEM applications and can also be designed for other optical density values, if required. Please contact us for additional details.

Related Products

These filter coatings can be deposited on custom sized substrates for OEM. Please contact us for more details.

Coating Curves

Request More Information

Pricing Inquiry

Broadband UV-NIR Neutral Density Filters

Overview

Optical Density	Nominal Transmission	Transmission Range	0.5" Part Numbers	1.0" Part Numbers	2.0" Part Numbers
0.3	50%	47-54%	FND0.35D-BB	FND0.3-1D-BB	FND0.3-2D-BB
0.5	32%	28-35.5%	FND0.55D-BB	FND0.5-1D-BB	FND0.5-2D-BB
1.0	10%	8-12.5%	FND1.05D-BB	FND1.0-1D-BB	FND1.0-2D-BB
1.3	5.0%	4-6%	FND1.35D-BB	FND1.3-1D-BB	FND1.3-2D-BB
1.5	3.0%	2.5-4.5%	FND1.55D-BB	FND1.5-1D-BB	FND1.5-2D-BB
2.0	1.0%	0.6-0.1.6%	FND2.05D-BB	FND2.0-1D-BB	FND2.0-2D-BB
2.5	0.3%	0.24-0.36%	FND2.55D-BB	FND2.5-1D-BB	FND2.5-2D-BB

Specifications:	
Material	UV fused silica
Diameter tolerance	+0.00/-0.005"
Thickness tolerance	+/ -0.2 5mm
Surface quality	<2 waves @ 633nm both sides
Parallelism	3 arc min
Scratch/Dig	20-10
Chamfer	0.5mm x 45 degrees
Clear aperture	Central 90% min.
Angle of incidence	Normal
Coating	Hybrid metallic
OD tolerance	+/- 10%
Range	190 - 1700nm

About Teledyne Acton Optics Contact | Copyright 2019 Teledyne Acton Optics Phone: +1 978-263-3584

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https://www.actonoptics.com/products/UV-NIR-neutral-density-filters

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