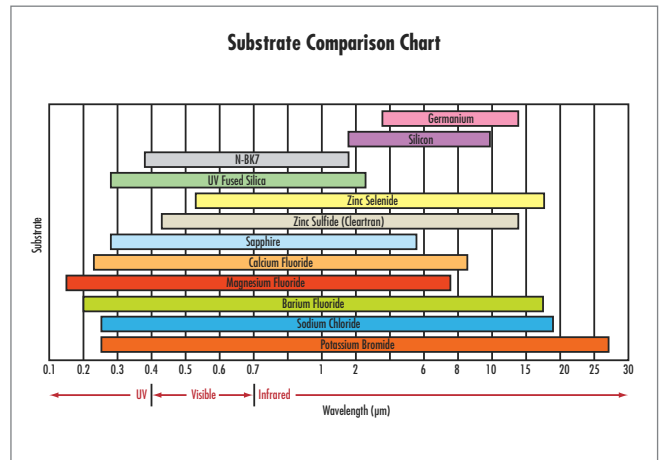


# WINDOWS

## Full Spectrum of Substrates Available

### EO ADVANTAGE:

- More than 15 Different Substrates Available Off-The-Shelf
- Wide Selection of Substrates and Coatings for UV, Visible, and Infrared Wavelengths
- Laser Line and Broadband Anti-Reflection Coatings Available



### BARIUM, CALCIUM, AND MAGNESIUM FLUORIDE

- Low absorption and high damage threshold from 0.2 - 7μm
- Spectroscopy, semiconductor processing, and cryogenically cooled thermal imaging applications

#### EO Advantage:

- 5 - 50mm sizes
- λ/2 surface flatness
- <1arcmin parallelism



### FUSED SILICA

- Low coefficient of thermal expansion and excellent transmission from UV to IR
- Interferometry, laser instrumentation, spectroscopy, and industrial applications

#### EO Advantage:

- 5 - 100mm sizes (UV grade) and 1" - 8" sizes (standard)
- UV, excimer and standard grade substrate
- High power laser line and broadband AR coatings



### GERMANIUM

- High index of refraction and knoop hardness with transmission in the mid and long wave IR
- Thermal imaging, FLIR, and rugged IR applications

#### EO Advantage:

- 10 - 75mm diameter sizes
- λ/20 @ 10.6μm surface flatness
- <1 arcmin parallelism
- 3 - 5μm, 3 - 12μm, and 8 - 12μm AR coating options



### N-BK7

- Low-cost substrate for Visible/NIR applications
- Machine vision, microscopy, and industrial applications

#### EO Advantage:

- 5 - 75mm sizes
- <1 arcmin parallelism
- MgF<sub>2</sub>, VIS 0°, VIS-NIR, and NIR 1 broadband coating options
- 7 Laser Line coatings between 405 - 1550nm



### SILICON

- Low cost and low density substrate for weight sensitive IR applications
- Spectroscopy, mid IR laser systems, and THz imaging applications

#### EO Advantage:

- 10 - 50mm sizes
- Optical grade substrate
- <3 arcmin parallelism
- 3 - 5μm AR coating

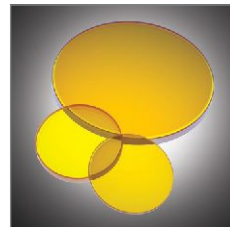


### SAPPHIRE

- Extremely hard and durable with good transmission from UV to IR
- IR laser systems, spectroscopy and rugged environmental equipment

#### EO Advantage:

- 2.5 - 75mm diameter sizes
- <3.5 arcmin parallelism
- Multiple standard AR coating options available



### ZINC SELENIDE AND ZINC SULFIDE

- Low absorption coefficient and high resistance to thermal shock
- CO<sub>2</sub> laser systems and thermal imaging applications

#### EO Advantage:

- 10 - 75mm diameter sizes
- λ/20 @ 10.6μm surface flatness
- Broadband AR coatings

Visit [www.edmundoptics.com/windows](http://www.edmundoptics.com/windows) to browse the entire selection of windows

# RECOMMENDED Windows

## RECOMMENDED ULTRAVIOLET WINDOWS - UNCOATED

	Diameter (mm)	Fused Silica Substrate	Price	CaF <sub>2</sub> Substrate	Price	MgF <sub>2</sub> Substrate	Price
	5	#45-463	\$50.00	#48-853	\$90.00	#64-092	\$100.00
	10	#45-308	\$50.00	#47-681	\$95.00	#87-703	\$125.00
	12.5	#45-309	\$50.00	#47-682	\$105.00	#64-093	\$170.00
	20	#45-464	\$55.00	#63-207	\$115.00	#87-704	\$225.00
	25	#45-311	\$60.00	#47-683	\$120.00	#64-094	\$250.00

## RECOMMENDED VISIBLE WINDOWS - MgF<sub>2</sub> COATED

	Diameter (mm)	N-BK7 Substrate	Price	B270 Substrate	Price	BOROFLOAT® Substrate	Price
	5	#45-574	\$47.50	#32-946	\$27.50	#83-369	\$21.50
	10	#45-256	\$47.50	#32-947	\$27.50	#83-370	\$21.50
	12.5	#45-257	\$47.50	#32-948	\$28.50	#83-372	\$21.50
	15	#45-576	\$50.00	#32-949	\$28.50	#83-373	\$21.50
	25	#45-258	\$55.00	#32-951	\$32.50	#83-375	\$24.50

## RECOMMENDED INFRARED WINDOWS - UNCOATED

	Diameter (mm)	Sapphire Substrate	Price	Germanium (Ge) Substrate	Price	ZnSe Substrate	Price
	10	#43-366	\$34.00	#68-734	\$125.00	#68-490	\$149.00
	12.5	#68-157	\$41.00	#68-735	\$150.00	#68-491	\$159.00
	20	#43-368	\$60.00	#68-736	\$175.00	#68-492	\$249.00
	25	#43-369	\$82.50	#68-737	\$180.00	#68-493	\$259.00
	50	#45-817	\$325.00	#68-740	\$425.00	#68-496	\$599.00

## RECOMMENDED LASER LINE WINDOWS - ANTI-REFLECTION COATED

	Diameter (mm)	266nm	Price	1030nm	Price	1064nm	Price
	12.7	#38-918	\$90.00	#39-717	\$90.00	#38-982	\$90.00
	19.1	#38-921	\$100.00	#39-719	\$110.00	#38-984	\$100.00
	25.4	#38-923	\$110.00	#39-720	\$250.00	#38-985	\$110.00
	38.1	#38-925	\$135.00	#39-722	\$100.00	#38-988	\$135.00
	50.8	#38-928	\$250.00	#39-724	\$135.00	#38-990	\$250.00

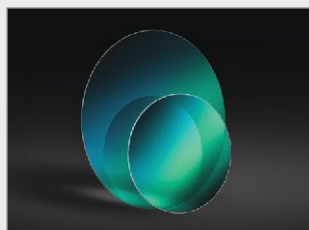
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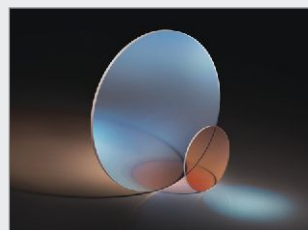
Broadband Hybrid Diffusers



Gorilla® Glass Windows



TECHSPEC® Ultra-Thin N-BK7 Windows



Laser Debris Shields