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# UltraFast Innovations (UFI) EUV/XUV Attosecond Multilayer Mirrors

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- Designed for 330 Attosecond Pulses @ 65eV (19nm)
- Multilayer Coating with 38% Peak Reflectivity
- $\leq 1\text{\AA}$  (Angstrom) Surface Roughness Superpolished Substrates
- [EUV Flat Mirrors](#) and [EUV Spherical Mirrors](#) Designed at 13.5nm Also Available
- No Minimum Order Quantities, No Coating Lot Charges
- [Platinum-Level 2022 Laser Focus World \(LFW\) Innovators Award](#)

# Common Specifications

## General

|                           |                 |
|---------------------------|-----------------|
| Supported Pulse Duration: | 330 attoseconds |
|---------------------------|-----------------|

## Physical & Mechanical Properties

|                         |                   |                        |    |
|-------------------------|-------------------|------------------------|----|
| Diameter (mm):          | 25.40 ±0.13       |                        |    |
| Back Surface:           | Commercial Polish | Clear Aperture (%):    | 80 |
| Edges:                  | Fine Ground       | Surface Roughness (Å): | <1 |
| Edge Thickness ET (mm): | 6.35 ±0.20        |                        |    |

## Optical Properties

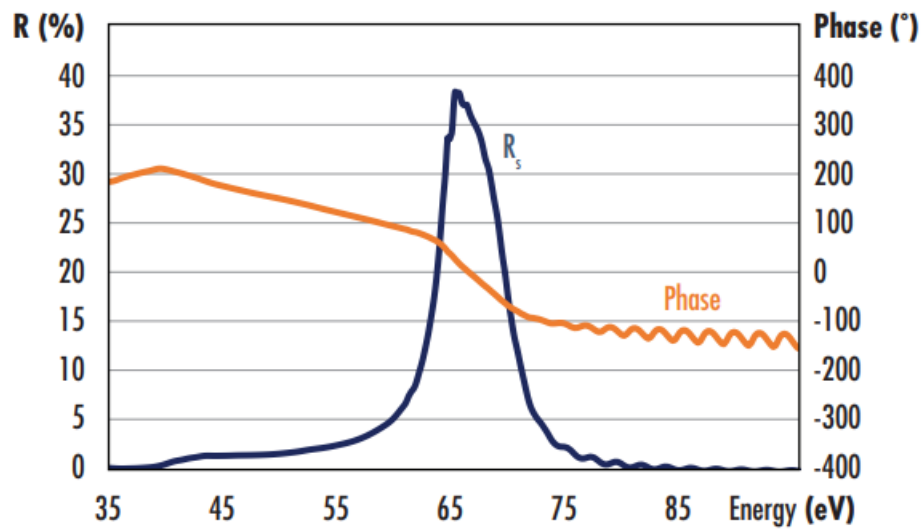
|                         |                                             |                             |                       |
|-------------------------|---------------------------------------------|-----------------------------|-----------------------|
| Substrate:              | <a href="#">Fused Silica</a> (Corning 7980) |                             |                       |
| Coating Specification:  | Rs > 38% @ 65eV/19nm                        | Coating:                    | EUV Multilayer (19nm) |
| Angle of Incidence (°): | 5                                           | Design Wavelength DWL (nm): | 19                    |
| Reflection at DWL (%):  | >38                                         |                             |                       |

## Electrical

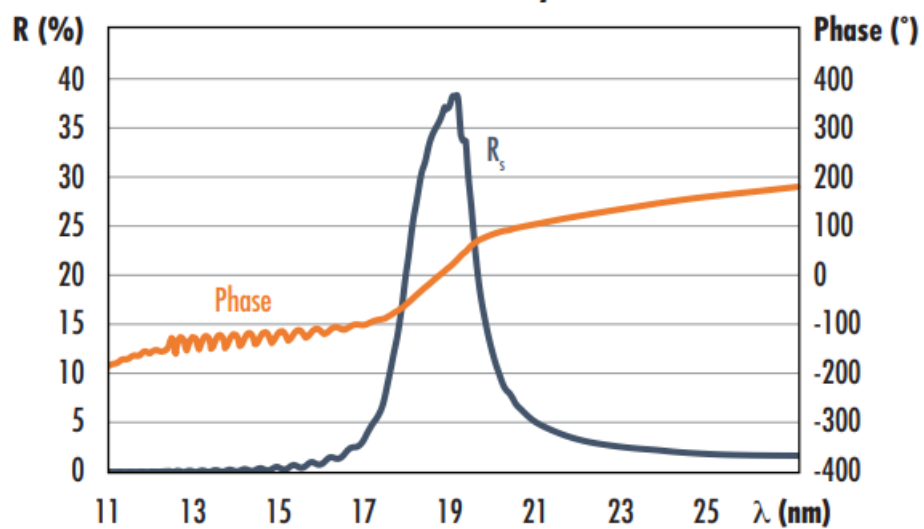
|                     |       |
|---------------------|-------|
| Center Energy (eV): | 65 ±2 |
| Bandwidth (eV):     | 6     |

## Technical Information

### EUV Attosecond Multilayer Mirrors



### EUV Attosecond Multilayer Mirrors



## Products

| Title                                                                                 | Stock Number            | Price     | Buy      |
|---------------------------------------------------------------------------------------|-------------------------|-----------|----------|
| 25.4mm Dia., 19nm (65eV), 5° EUV/XUV Attosecond Multilayer Flat Mirror                | <a href="#">#16-765</a> | €2.205,00 | 3-4 days |
| 25.4mm Dia. x 250mm EFL, 19nm (65eV), 5° EUV/XUV Attosecond Multilayer Concave Mirror | <a href="#">#16-766</a> | €2.205,00 | 3-4 days |
| 25.4mm Dia. x 500mm EFL, 19nm (65eV), 5° EUV/XUV Attosecond Multilayer Concave Mirror | <a href="#">#16-767</a> | €2.205,00 | 3-4 days |



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