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TECHSPEC 6.0mm Dia. x -12 FL, VIS-NIR, UV Plano-Concave Lens



UV Fused Silica Plano-Concave (PCV) Lenses



Stock **#21-044** 2 In Stock

□ Other Coating Options





- 1 + £118^{.19}

ADD TO CART

Volume Pricing	
Qty 1-5	£118.19 each
Qty 6-25	£94.55 each
Qty 26-49	£88.43 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

General	
Type: Plano-Concave Lens	
Note: Max Flat Annulus is 0.3mm	
Physical & Mechanical Properties	
Diameter (mm): 6.00 +0.0/-0.025	
Center Thickness CT (mm): 2.00	
Center Thickness Tolerance (mm): ±0.05	
Centering (arcmin):	
Clear Aperture CA (mm): 5.4	
Edge Thickness ET (mm): 2.71	
Optical Properties	
Effective Focal Length EFL (mm): -12.00	
Substrate: Fused Silica (Coming 7980)	
2.00	
Numerical Aperture NA: 0.25	
VIS-NIR (400-1000nm)	
Wavelength Range (nm): 400 - 1000	
Back Focal Length BFL (mm): -13.38	
Coating Specification: R _{abs} ≤0.25% @ 880nm R _{avg} ≤1.25% @ 400 - 870nm R _{avg} ≤1.25% @ 890 - 1000nm	
Focal Length Specification Wavelength (nm): 587.6	
Focal Length Tolerance (%):	
Radius R ₁ (mm):	
Surface Quality: 40-20	
Damage Threshold, Reference: □ 5 J/cm² @ 532nm, 10ns	
Power (P-V) @ 632.8nm: 1.5λ	
Irregularity (P-V) @ 632.8nm:	
Regulatory Compliance	
RoHS 2015:	
Certificate of Conformance:	
Reach 235:	

PRODUCT DETAILS

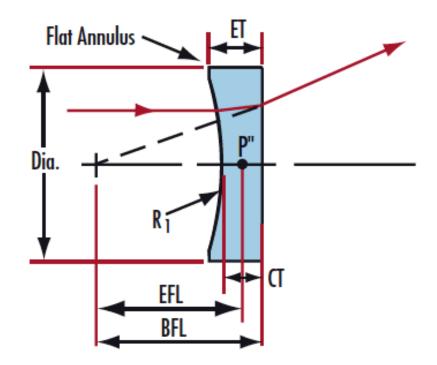
- Negative Focal Lengths for Beam Expansion or Light Projection Applications
- Wavelength Range of 200 2200nm

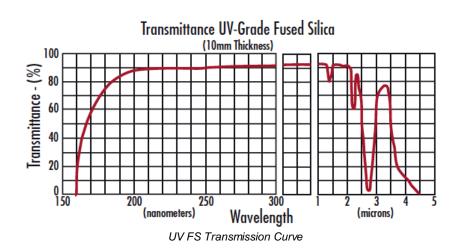
Compliant

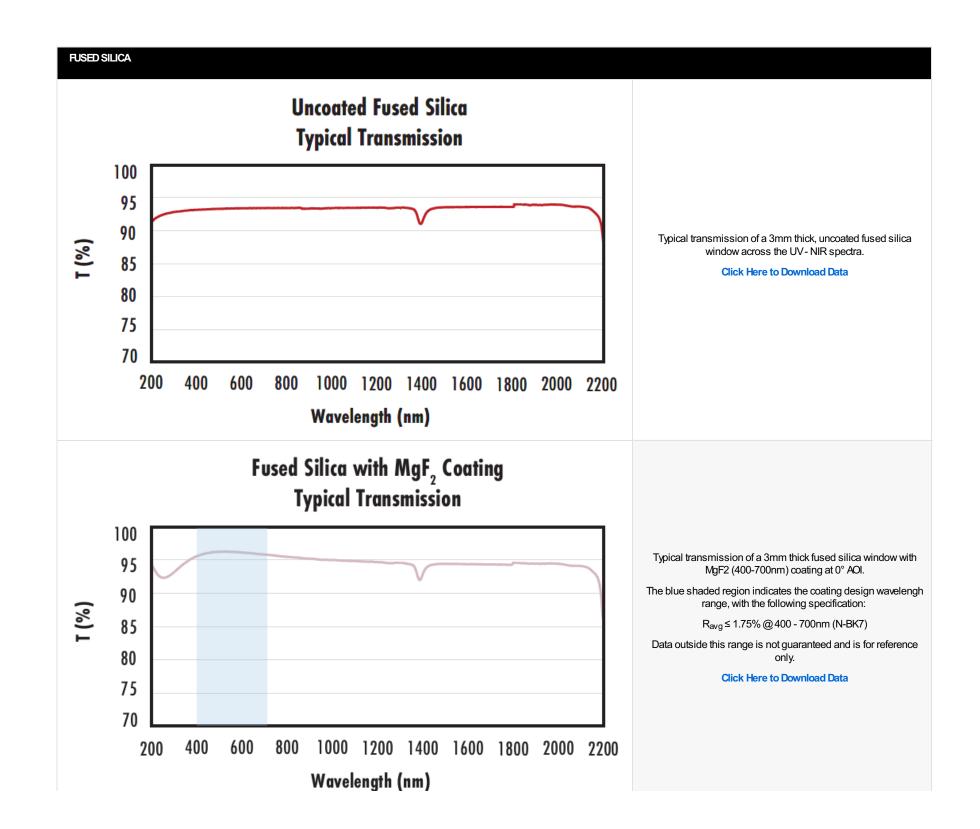
Popular UV-AR Coating Option Available

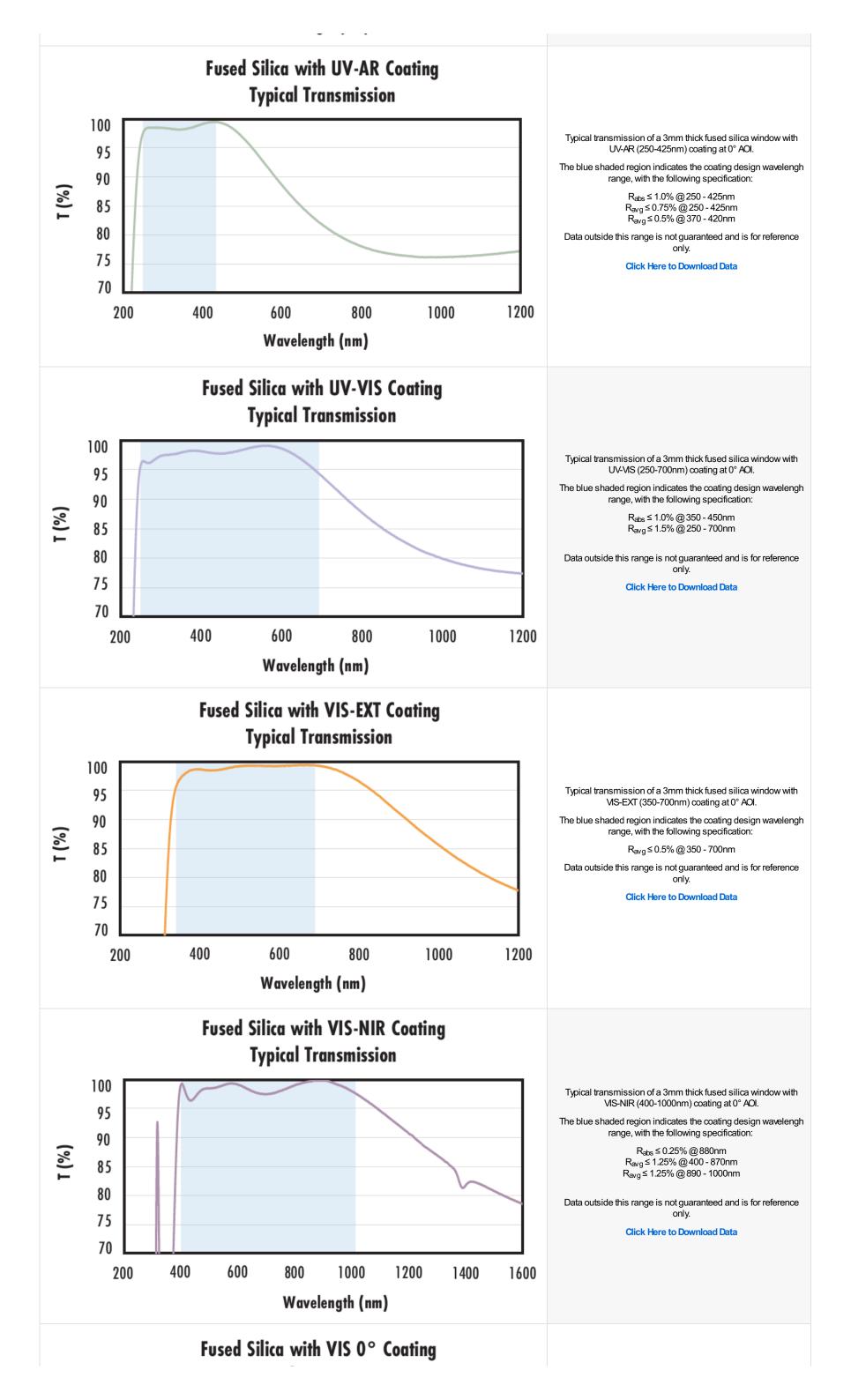
TECHSPEC® UV Fused Silica Plano-Concave (PCV) Lenses are high performance UV optic elements, manufactured utilizing state of the art CNC equipment. Zygo's GPI-XP Interferometer is used to assure the surface accuracy and performance of these UV optics. UV Grade lenses are precision manufactured using research-grade synthetic fused silica. In addition to providing excellent transmission characteristics and higher operating temperatures, synthetic fused silica also exhibits an exceptional inclusion specification and chemical purity. TECHSPEC® UV Fused Silica Plano-Concave (PCV) Lenses are an ideal choice for many laser and imaging applications, particularly those involving ultraviolet wavelengths. Abroadband anti-reflection coating is available for optimized throughput in the ultraviolet spectrum.

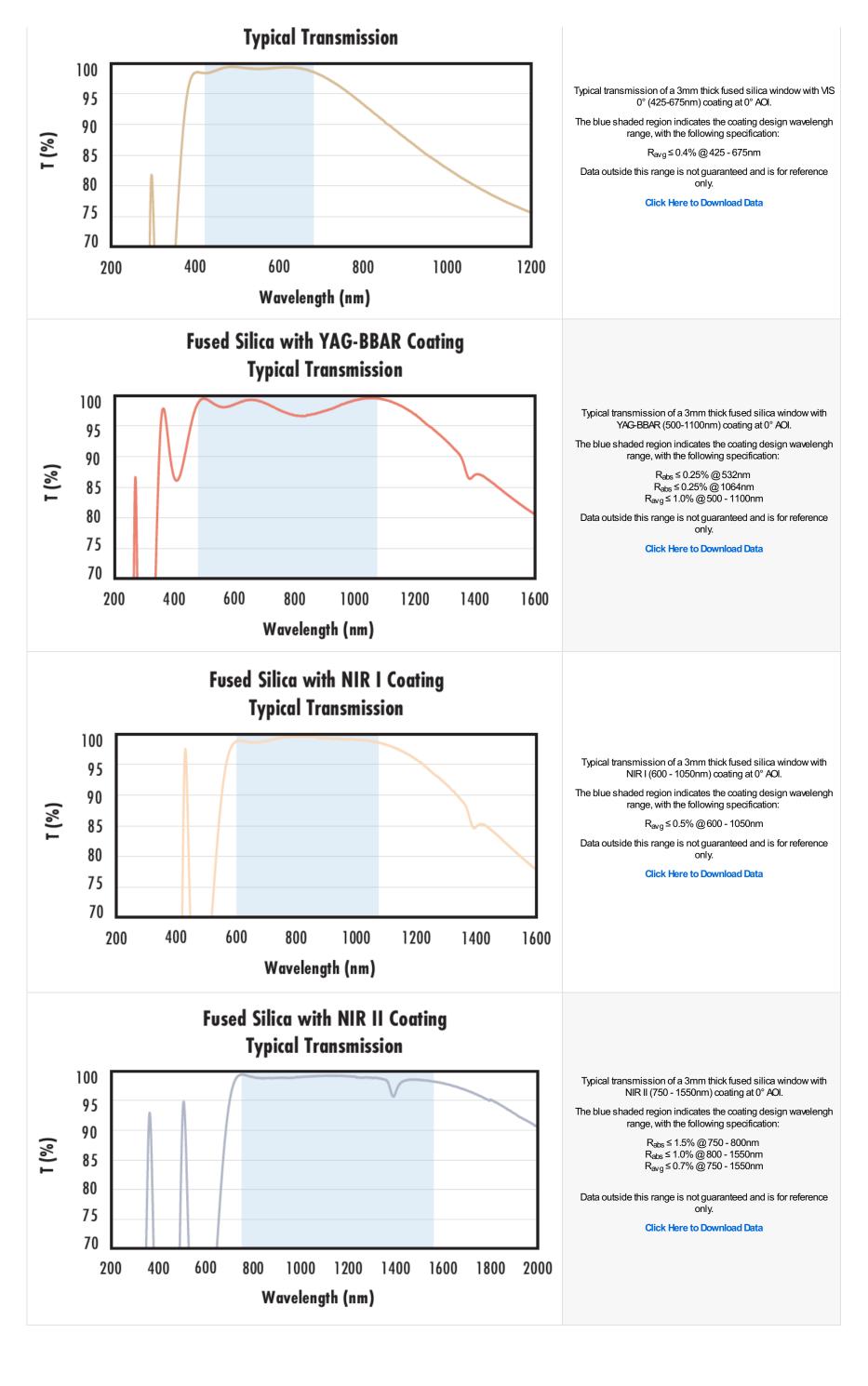
TECHNICAL INFORMATION













Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our custom manufacturing capabilities or submit an inquiry here.

COMPATIBLE MOUNTS