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# TECHSPEC 12.7 x 12.7mm x -50mm FL, UV-VIS Laser Grade PCV Cylinder Lens



TECHSPEC Beam Shaping Fused Silica Cylinder Lenses

Stock **#36-112 CONTACT US** 

- 1 + A\$268

### **ADD TO CART**

Volume Pricing		
Qty 1-5	<b>A\$268.62</b> each	
Qty 6-25	<b>A\$240.61</b> each	
Qty 26-49	<b>A\$229.07</b> each	
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**Product Downloads** 

## **SPECIFICATIONS**

General

Type:

Cylinder Lens, Plano-Concave

**Physical & Mechanical Properties** 

Protective as no	Bevel: eeded			
3.00	Center Thickness CT (mm):			
±0.1	Center Thickness Tolerance (mm):			
11.43 x 11.43	Clear Aperture CA (mm):			
+0.0/-0.025	Dimensional Tolerance (mm):			
12.7 x 12.7	Dimensions (mm):			
3.81	Edge Thickness ET (mm):			
<3	Axial Twist (arcmin):			
Optical Properties				
-50.00	Effective Focal Length EFL (mm):			
Fused Silica (C	Substrate:  Corning 7980)			
1.00	f/#:			
0.50	Numerical Aperture NA:			
UV-VIS (250-70	Coating: 00nm)			
350 - 700	Wavelength Range (nm):			
-52.06	Back Focal Length BFL (mm):			
R <sub>abs</sub> ≤1.0% @3 R <sub>avg</sub> ≤1.5% @	Coating Specification: 350 - 450nm 250 - 700nm			
22.93	Radius R <sub>1</sub> (mm):			
20-10	Surface Quality:			
1.5λ	Power (P-V) @ 632.8nm:			
<i>N</i> 4	Irregularity (P-V) @ 632.8nm:			
<3	Plano Axis Wedge (arcmin):			
<4.5	Power Axis Wedge (arcmin):			
Pagulatany Compliance				
Regulatory Compliance				
Compliant	RoHS 2015:			
View	Certificate of Conformance:			
	Reach 235:			

#### PRODUCT DETAILS

- Offers Superior Performance from UV to IR
- Fused Silica Substrate

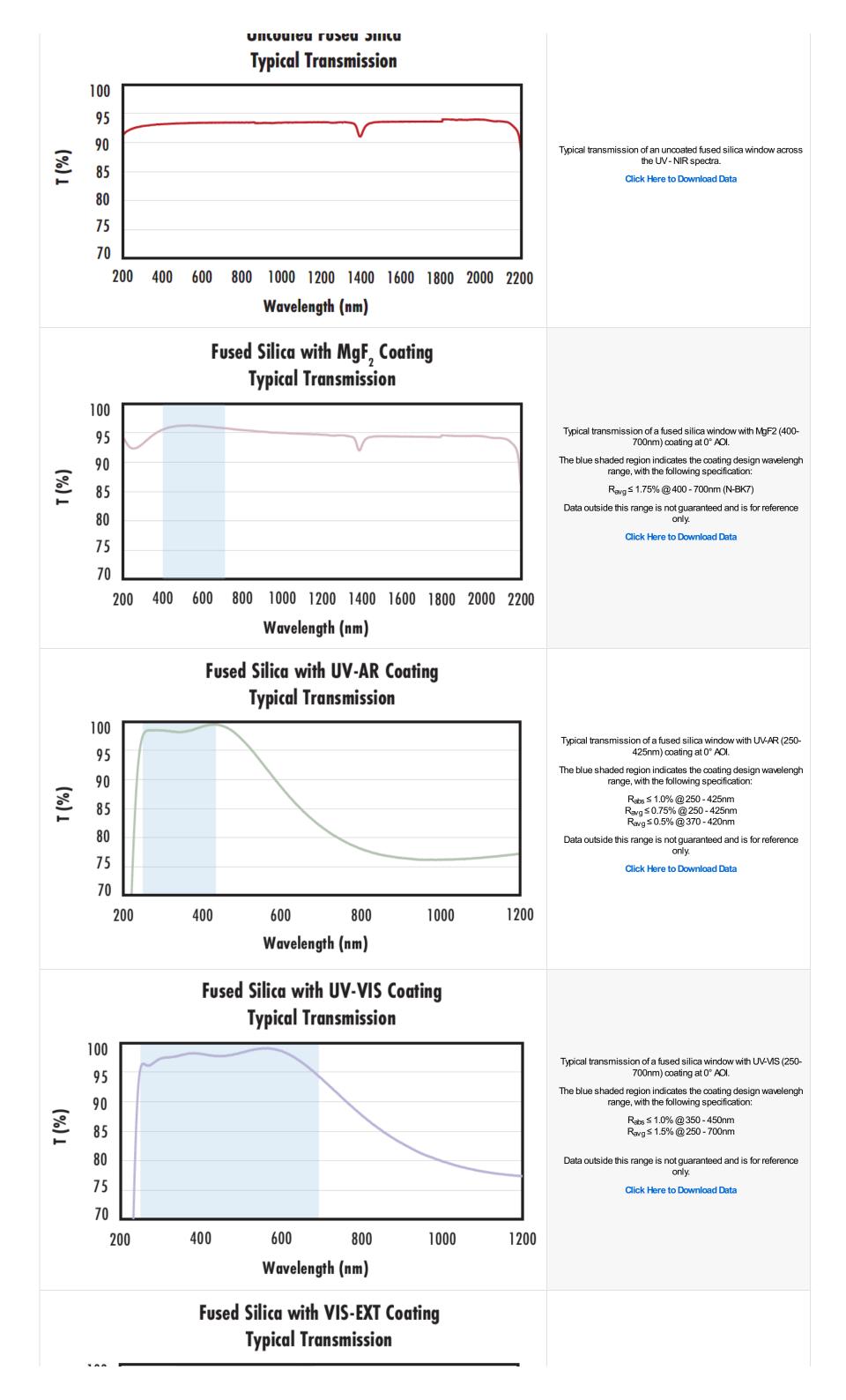
Compliant

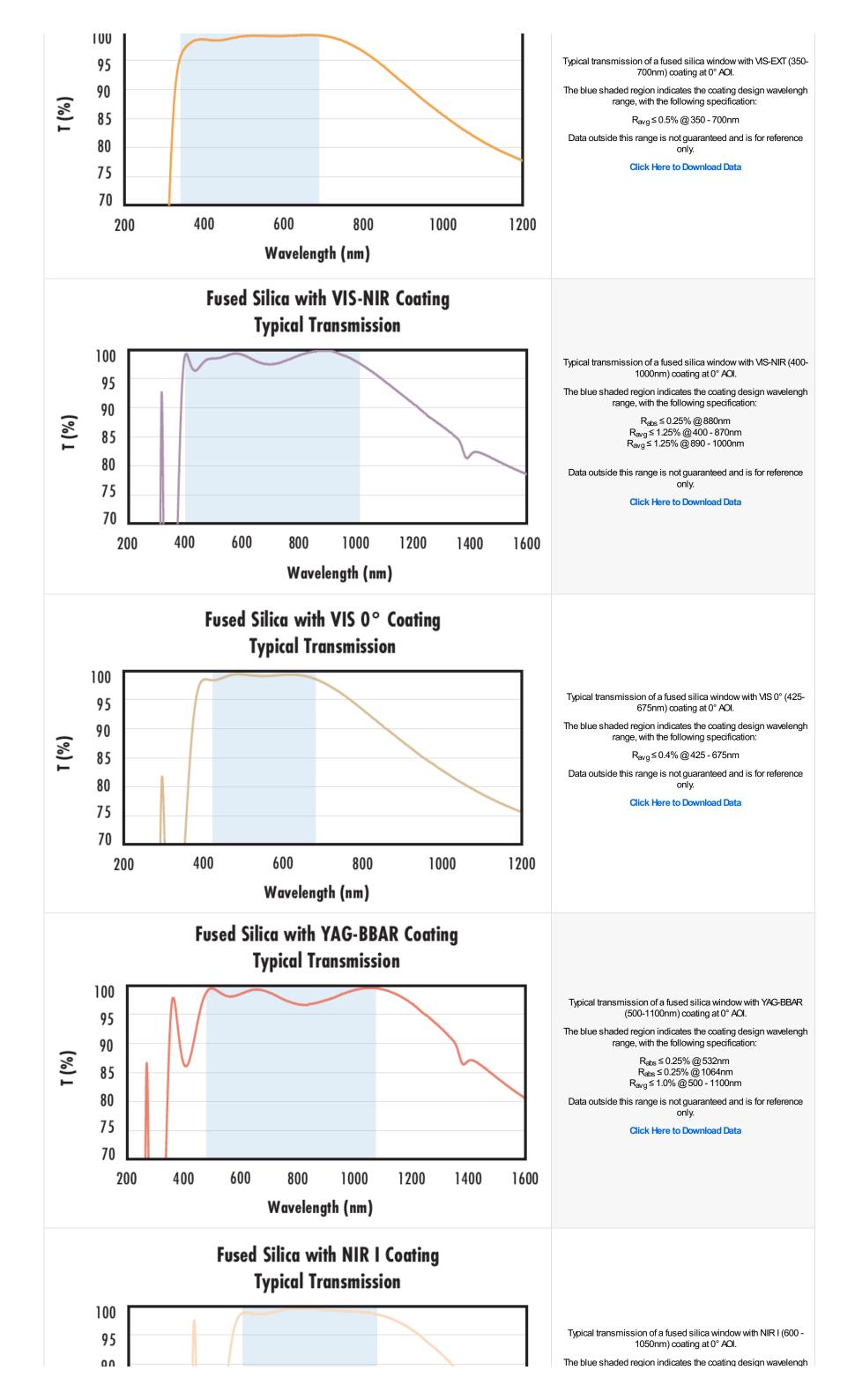
Laser Optic Surface Quality

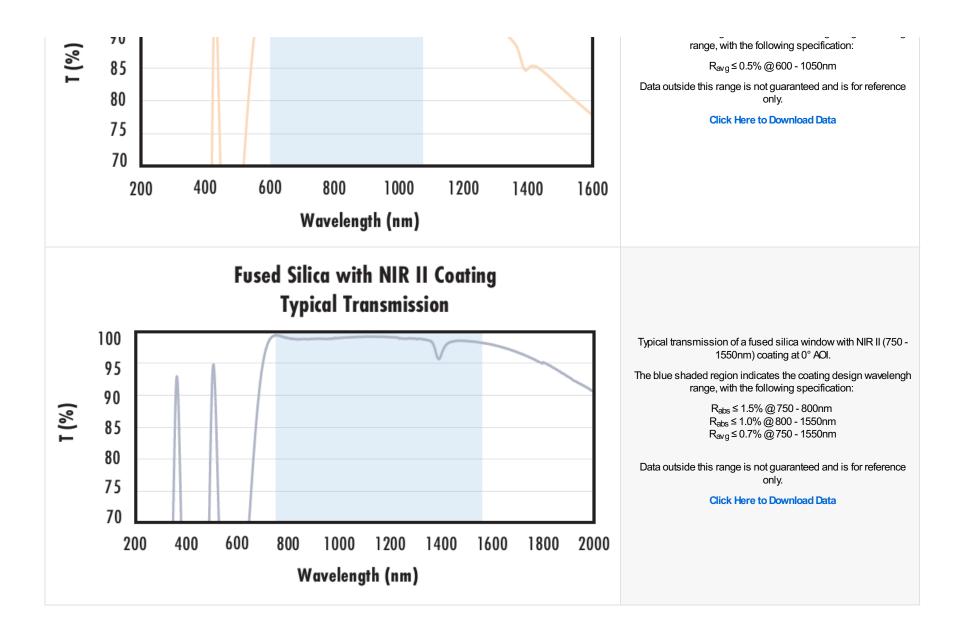
TECHSPEC® Laser Grade Broadband Cylinder Lenses feature precision specifications for the most demanding applications. These lenses are constructed of premium grade fused silica optical glass and are tailored for laser applications with a surface quality of 20-10. Our TECHSPEC Laser Grade Broadband Cylinder Lenses feature tight wedge tolerances, typically less than 3 arcmin in all dimensions. Integration of these lenses is facilitated by square form factors allowing convenient mounting options.

TECHNICAL INFORMATION

FUSED SILICA		
	Unconted Eurod Cilica	







#### **CUSTOM**

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.