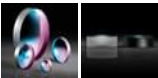


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TECHSPEC® 12mm Dia. x -20mm FL, Uncoated, UV DCV Lens



UV Fused Silica Plano-Concave (PCV) Lenses



Stock **#48-054** 20+ In Stock

[Other Coating Options](#)

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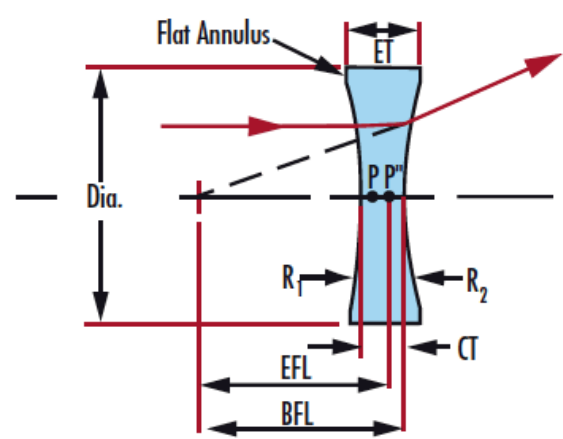
+

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Physical & Mechanical Properties	
12.00 +0.0/-0.025	Diameter (mm):
2.00	Center Thickness CT (mm):
±0.05	Center Thickness Tolerance (mm):
<1	Centering (arcmin):
11.0	Clear Aperture CA (mm):
3.78	Edge Thickness ET (mm):

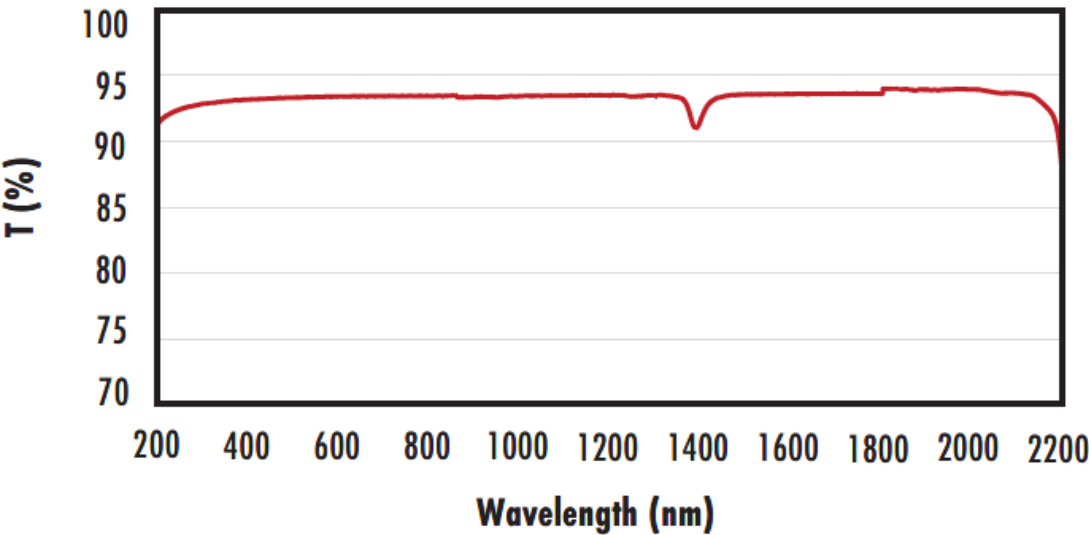
Optical Properties	
-20.00	Effective Focal Length EFL (mm):
Fused Silica (Corning 7980)	Substrate: ☐
1.67	f/#:
0.30	Numerical Aperture NA:
Uncoated	Coating:
200 - 2200	Wavelength Range (nm):
-20.67	Back Focal Length BFL (mm):
587.6	Focal Length Specification Wavelength (nm):
±2	Focal Length Tolerance (%):
-18.64	Radius R ₁ =R ₂ (mm):
40-20	Surface Quality:
1.5λ	Power (P-V) @ 632.8nm:
λ/4	Irregularity (P-V) @ 632.8nm:

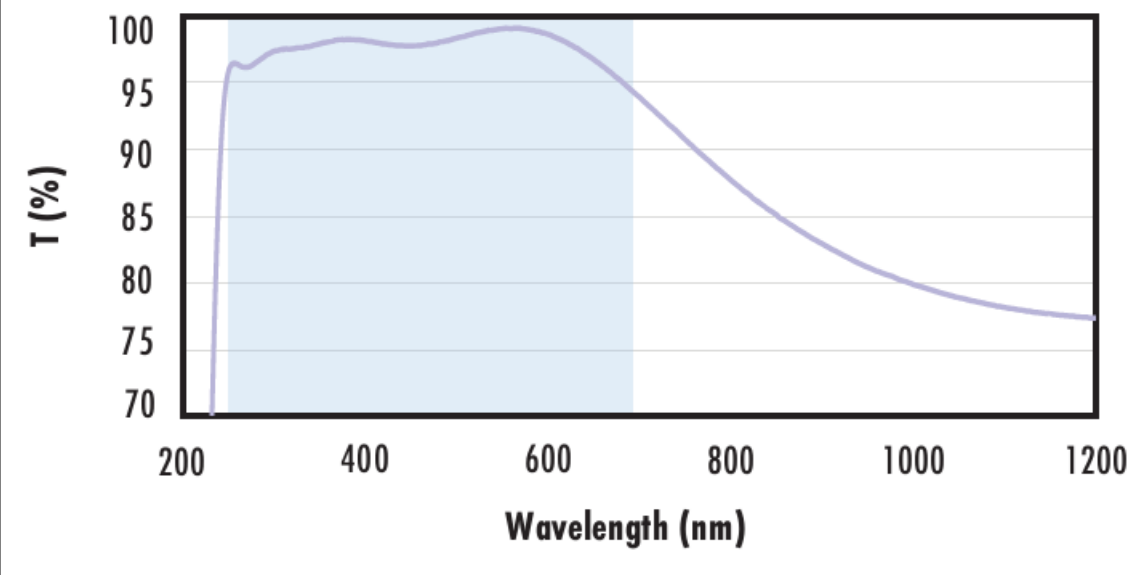
Regulatory Compliance

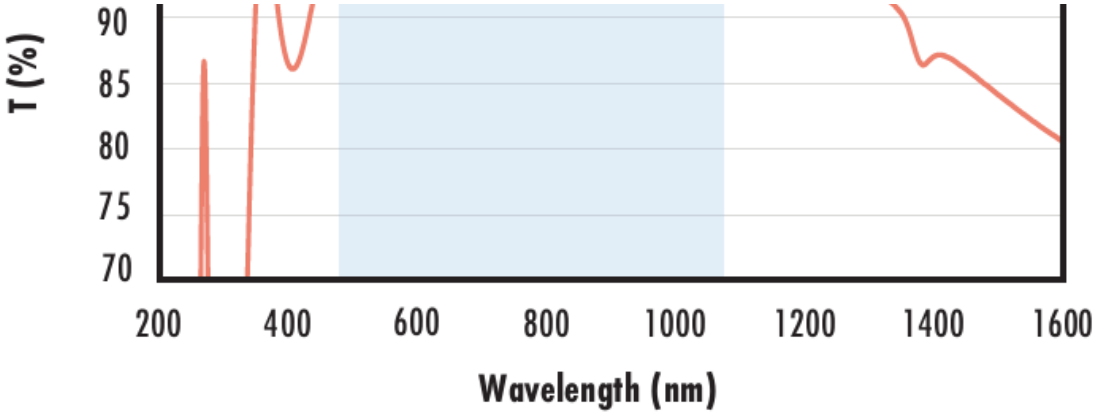
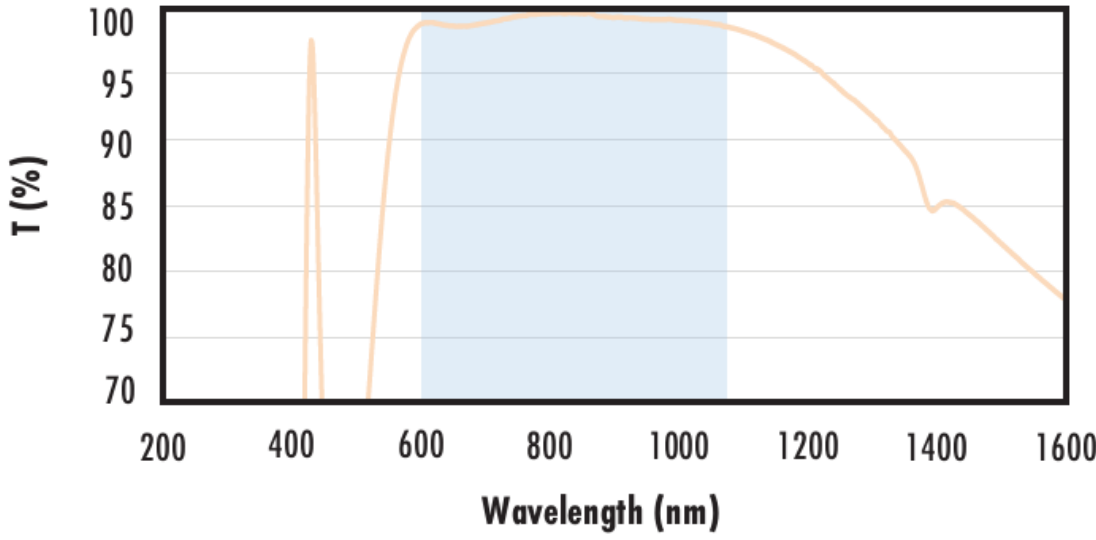


FUSED SILICA

Uncoated Fused Silica
Typical Transmission



	Typical transmission of a 3mm thick fused silica window with UV-VIS (250-700nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{abs} \leq 1.0\% \text{ @ } 350 - 450\text{nm}$ $R_{avg} \leq 1.5\% \text{ @ } 250 - 700\text{nm}$ Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with VIS-EXT Coating Typical Transmission	

	range, with the following specification: $R_{\text{abs}} \leq 0.25\%$ @ 532nm $R_{\text{abs}} \leq 0.25\%$ @ 1064nm $R_{\text{avg}} \leq 1.0\%$ @ 500 - 1100nm Data outside this range is not guaranteed and is for reference only. Click Here to Download Data
Fused Silica with NIR I Coating Typical Transmission 	Typical transmission of a 3mm thick fused silica window with NIR I (600 - 1050nm) coating at 0° AOI. The blue shaded region indicates the coating design wavelength range, with the following specification: $R_{\text{avg}} \leq 0.5\%$ @ 600