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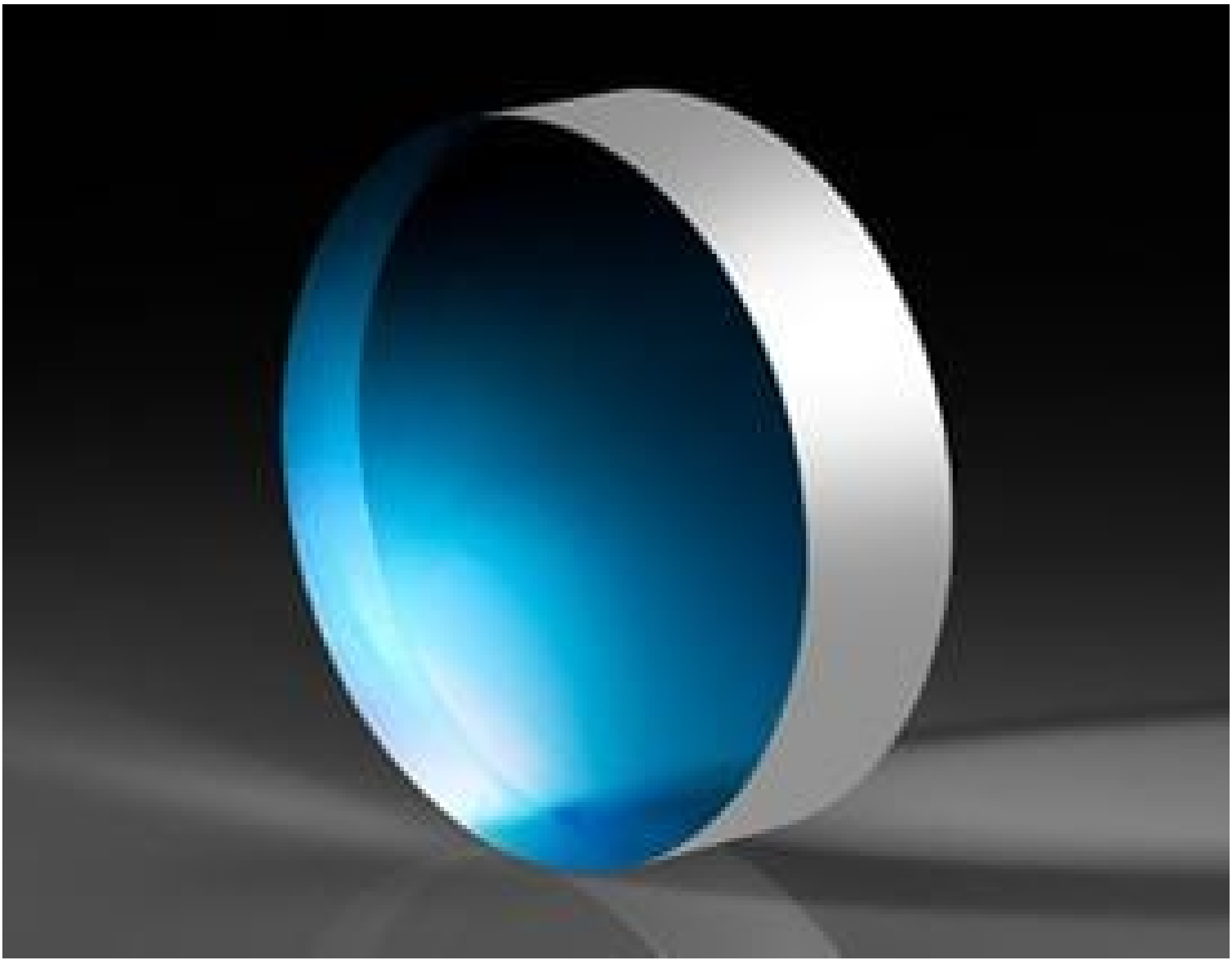
TECHSPEC® 1" Dia. λ/10 Fused Silica Dual Surface Flat



Stock **#43-424** **20+ In Stock**

- 1 + **C$329**.00

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Volume Pricing	
Qty 1-10	**C$329.00** each
Qty 11-25	**C$296.80** each
Qty 26-49	**C$280.00** each
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Product Downloads

General

Type:
Interferometry Window

Type of Window:
Glass

Physical & Mechanical Properties

Clear Aperture CA (mm):	
22.90	
Diameter (inches):	
1.00 ±0.04	
Diameter (mm):	
25.40 ±1.0	
Thickness (inches):	
0.50 ±0.06	
Thickness (mm):	
12.70 ±1.5	
Parallelism (arcmin):	
<3	
Bevel:	
Protective as needed	
Construction:	
Dual Surface	
Edges:	
Fine Ground	
Poisson's Ratio:	
0.16	
Young's Modulus (GPa):	
73	
Knoop Hardness (kg/mm^2):	
522.00	

Optical Properties

Coating:	
Uncoated	
Substrate:	
Fused Silica	
Index of Refraction (n_d):	
1.458	
Surface Quality:	
60-40	
Abbe Number (v_d):	
67.8	
Wavelength Range (nm):	
200 - 2200	
Surface Flatness (P-V):	
λ/10	

Material Properties

Density (g/cm^3):	
2.20	

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
0.52 (+5 to +35°C)
0.57 (0 to +200°C)
0.48 (-100 to +200°C)

Regulatory Compliance

RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
REACH 241:	
Compliant	

Product Details

- λ/10 and λ/20 Surface Flatness Options
- Each λ/20 Flat 76.2mm and Larger Includes a Certificate of Calibration
- Extended Lifetime in Contact Measurement Applications
- Single Surface Optical Flats Also Available

TECHSPEC® Precision Dual Surface Optical Flats are precision ground and polished to the stated accuracies on both surfaces so that either face may be used for test applications. Both surfaces are tested and certified by our Zygo Interferometer. Each flat ships in a durable storage case for permanent protection. TECHSPEC® Precision Dual Surface Optical Flats specified for λ/20 flatness that are 76.2mm or larger also include a certificate of calibration. These dual surface flats are uncoated and offered in diameters ranging from 25.40 to 304.80mm.

Compatible Mounts

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