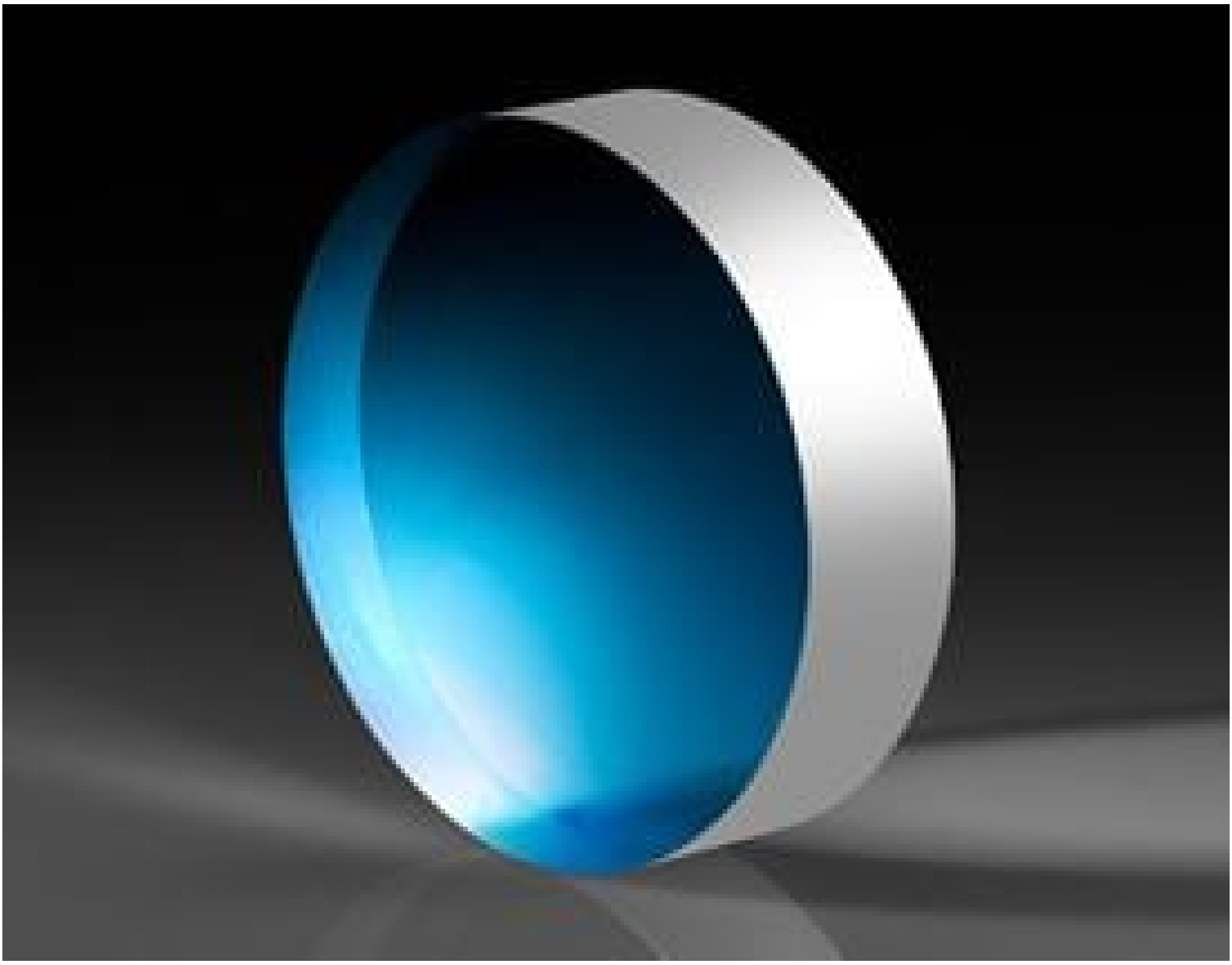
TECHSPEC® 5" Dia. λ/20 Fused Silica Dual Surface Flat



Stock **#71-133** **3 In Stock**

- 1 + **€2.317**[50]

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Volume Pricing	
Qty 1-5	**€2.317,50** each
Qty 6-25	**€1.854,00** each
Qty 26-49	**€1.738,13** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:
Interferometry Window

Physical & Mechanical Properties

Clear Aperture CA (mm):
114.30

Diameter (inches):
5.00 +0.0/-0.04

Diameter (mm):
127.00 +0.0/-1.0

Thickness (inches):
1.00 ±0.08

Thickness (mm):
25.40 ±2.0

Parallelism (arcmin):
<3

Bevel:
Protective as needed

Construction:
Dual Surface

Poisson's Ratio:
0.16

Young's Modulus (GPa):
73

Knoop Hardness (kg/mm^2):
522.00

Optical Properties

Coating:
Uncoated

Substrate:
Fused Silica (Corning 7980)

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/20

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

Certificate of Conformance:
View

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.