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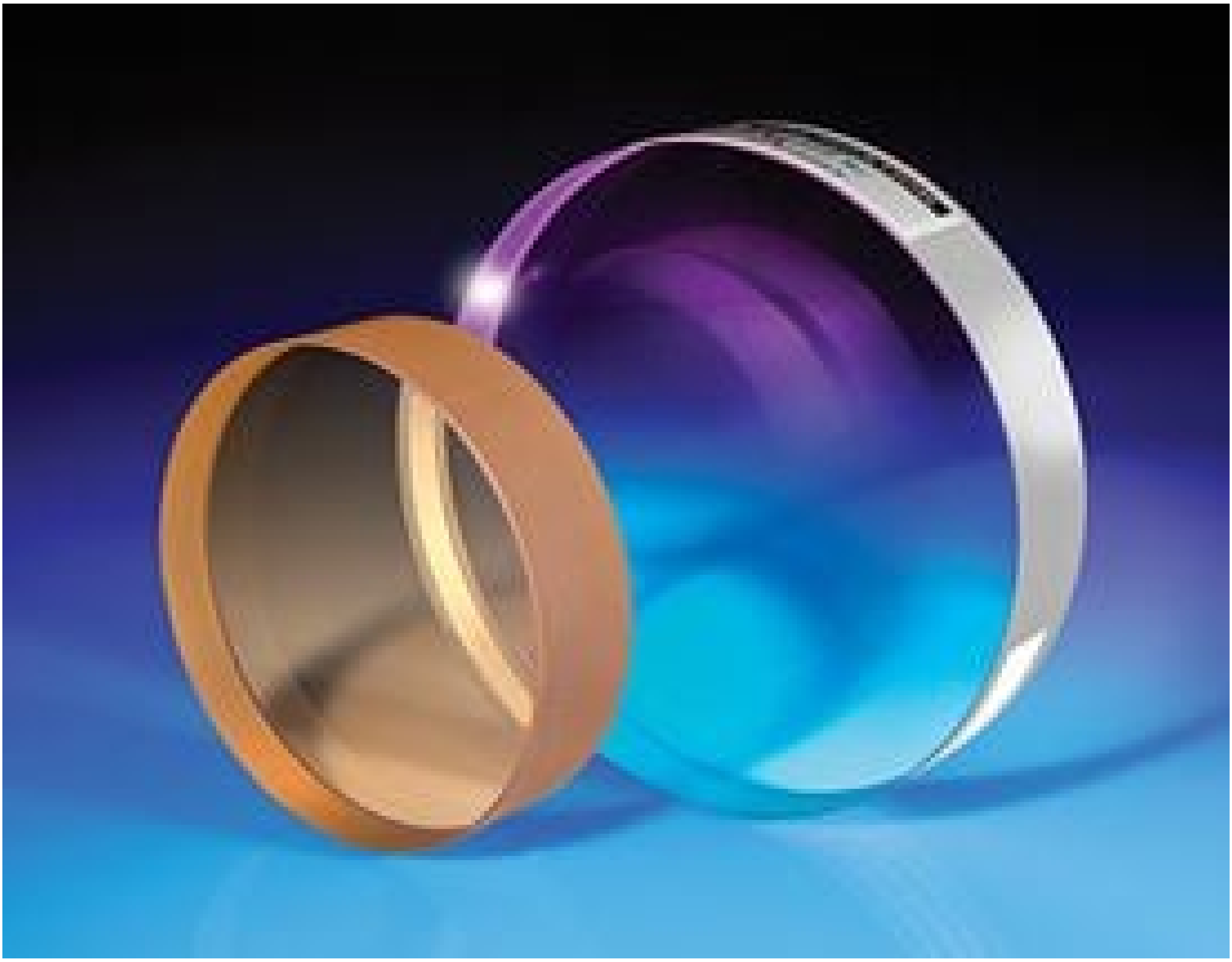
TECHSPEC® 76.2mm Dia. λ/20 ZERODUR® Optical Flat



Stock **#48-117-000** **20+ In Stock**

- 1 + **€875**.00

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Volume Pricing	
Qty 1-10	**€875,00** each
Qty 11-25	**€780,00** each
Qty 26-49	**€735,00** each
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Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Interferometry Window

Note:
Includes a certificate of calibration.

Physical & Mechanical Properties

Clear Aperture CA (mm):	68.60
Diameter (inches):	3.00 +0.00/-0.04
Diameter (mm):	76.20 +0.00/-1.00
Thickness (inches):	0.75 ±0.06
Thickness (mm):	19.05 ±1.5
Parallelism (arcmin):	≤3
Bevel:	Protective as needed
Construction:	Single Surface
Edges:	Fine Ground
Poisson's Ratio:	0.24
Young's Modulus (GPa):	90.3
Knoop Hardness (kg/mm^2):	620.00

Optical Properties

Coating:	Uncoated
Color:	Yellow Tint
Substrate:	ZERODUR®
Index of Refraction (n_d):	1.542
Surface Quality:	60-40
Abbe Number (v_d):	56.2
Surface Flatness (P-V):	λ/20

Material Properties

Density (g/cm^3):	2.53
Coefficient of Thermal Expansion CTE (10^{-6}/°C):	0.1

Regulatory Compliance

RoHS 2015:	Compliant
Certificate of Conformance:	View
Reach 233:	Compliant

Product Details

- Sizes Ranging from ½" Diameter to 14" Diameter
- Each λ/20 Flat 76.2mm and Larger Includes a Certificate of Calibration
- Available with Standard Metallic Mirror Coatings: **λ/10 and λ/20 Mirrors**

TECHSPEC® Single Surface Optical Flats are used as a reference (test plate) against which the flatness of an unknown surface may be compared. Each piece is precision polished by our master opticians and tested on a Zygo interferometer to insure the surface flatness. The secondary surfaces of our single surface flats are pitch polished to window quality for viewing the interference pattern. TECHSPEC Single Surface Optical Flats ship in a durable storage case for permanent protection. λ/20 flats that are 76.2mm or larger also include a certificate of calibration.

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