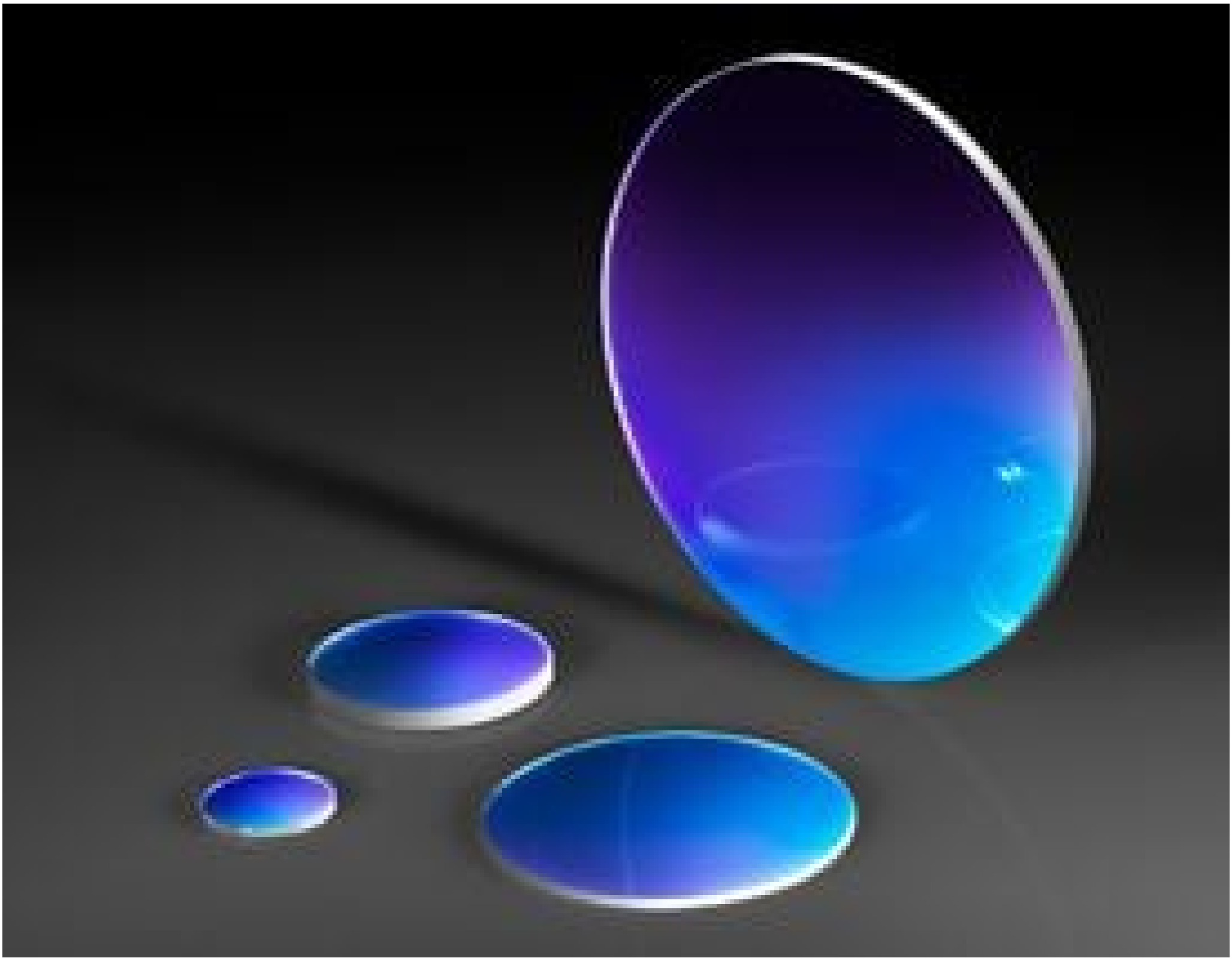
TECHSPEC 7.5mm Dia., 0.4mm Thick, Uncoated, Sapphire Window



Stock **#43-628** 3-5 DAYS

1 **S$47.13**

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Qty 1-24
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Qty 25+
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CUSTOM OPTIONS

Abbe Number (v_d):
72.24

Axis Orientation:
Random

Bevel:
Protective as needed

Birefringence (n_o-n_e):

0.008 for Visible Light Orthogonal to Optical Axis

Clear Aperture (%):
≥90

Clear Aperture CA (mm):
6.75

Diameter (mm):
7.50 ±0.10

Thickness (mm):
0.40 ±0.05

Coating:
Uncoated

Coefficient of Thermal Expansion CTE (10^{-6}/°C):
8.8

Density (g/cm^3):
3.97

Edges:
Fine Ground

Index of Refraction n_d:
1.77

Knoop Hardness (kg/mm^2):
1900

Parallelism (arcmin):
≤3.5

Poisson's Ratio:
0.27

Substrate:
Sapphire (Al_2O_3)

Surface Flatness (P-V):
2λ (typical)

Surface Quality:
80-50

Type:
Protective Window

Wavelength Range (nm):
330 - 5500

Young's Modulus (GPa):
435

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 240:
Compliant