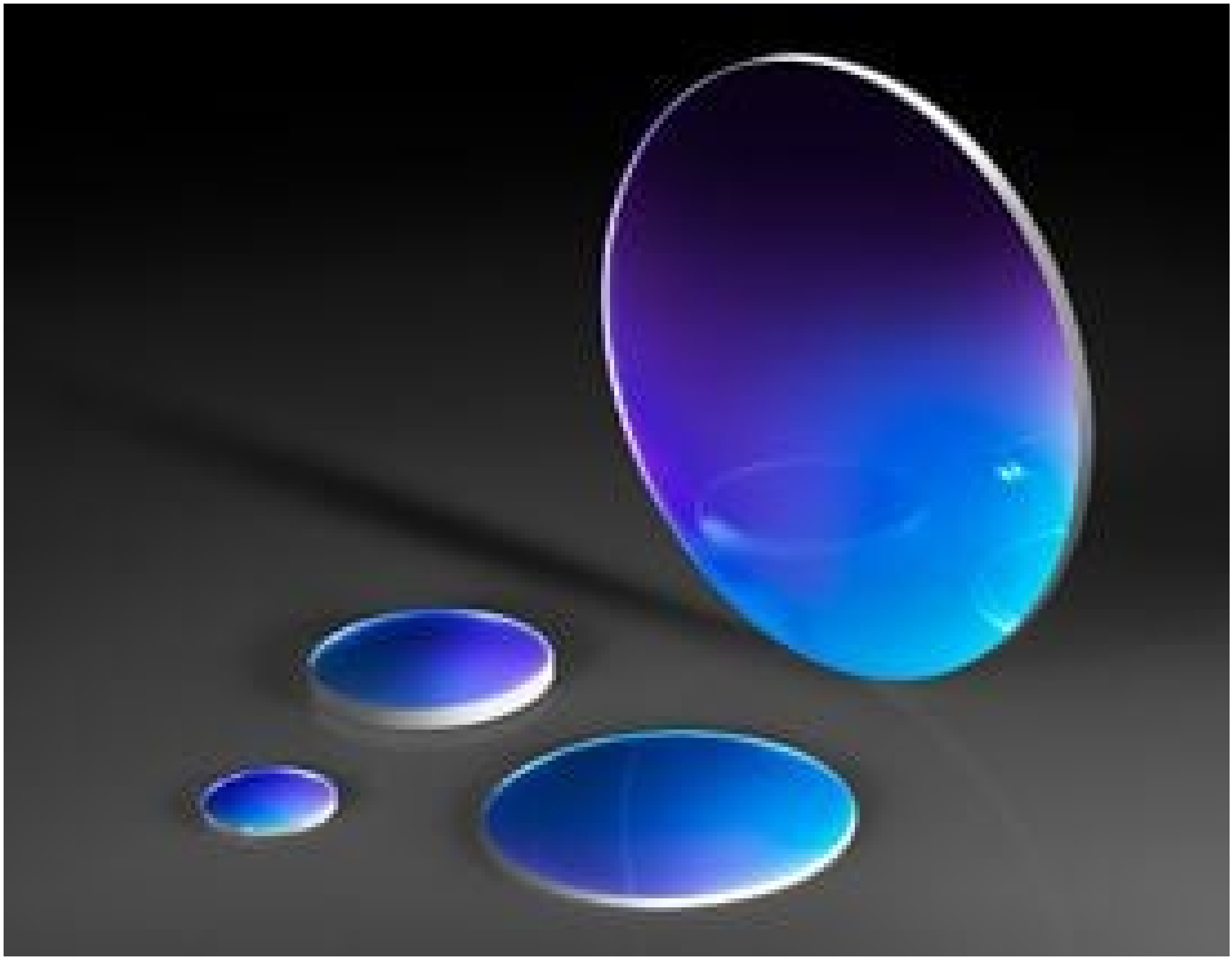
# TECHSPEC® 15mm Dia., 2mm Thick, Uncoated, Sapphire Window



Stock **#43-367** 3-5 DAYS

1 **A$98.40**

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**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):**
13.50

**Diameter (mm):**
15.00 ±0.25

**Thickness (mm):**
2.00 ±0.10

**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