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**TECHSPEC® 20mm Dia. 400 - 750nm Broadband  $\lambda/4$  Mirror**



Broadband Dielectric  $\lambda/4$  Mirrors

Stock #70-670 **12 In Stock**

⊖ 1 ⊕ **\$121<sup>00</sup>**

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Volume Pricing	
Qty 1-5	<b>\$121.80</b> each
Qty 6-25	<b>\$97.30</b> each
Qty 26-49	<b>\$91.00</b> each
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**General**

Flat Mirror **Type:**

**Physical & Mechanical Properties**

20.00 +0.00/-0.25 **Diameter (mm):**

3.00 ±0.25 **Thickness (mm):**

Commercial Polish	<b>Back Surface:</b>
90	<b>Clear Aperture (%):</b>
18.00	<b>Clear Aperture CA (mm):</b>
Ground	<b>Edges:</b>
5	<b>Parallelism (arcmin):</b>
<b>Optical Properties</b>	
Dielectric	<b>Coating Type:</b>
Dielectric Mirror (400-750nm)	<b>Coating:</b>
$\lambda/4$ (typical)	<b>Surface Flatness (P-V):</b>
400 - 750	<b>Wavelength Range (nm):</b>
<a href="#">BOROFLOAT®</a>	<b>Substrate:</b> <input type="checkbox"/>
0-45	<b>Angle of Incidence (°):</b>
<b>Coating Specification:</b> R <sub>avg</sub> >98% @ 400 - 750nm (0-45°, All Polarizations) R <sub>avg</sub> >99% @ 400 - 750nm (0-45°, S-Polarizations)	
60-40	<b>Surface Quality:</b>
<b>Damage Threshold, By Design:</b> <input type="checkbox"/> 0.5 J/cm <sup>2</sup> @ 532nm, 20ns, 20Hz	
<b>Regulatory Compliance</b>	
<a href="#">View</a>	<b>Certificate of Conformance:</b>

## Product Details

- Enhanced Reflectivity and LDT over Metallic Coatings
- Average Reflectivity >99% from 400 – 750nm
- Designed for all Polarization States at 0 – 45° AOI
- $\lambda/10$  Versions Available

TECHSPEC® Broadband Dielectric  $\lambda/4$  Mirrors feature a high laser damage threshold of 0.5 J/cm<sup>2</sup> @ 532nm, 20ns pulse, at 20Hz as well as a >99% reflection from 400 – 750nm across all polarization states. Constructed from highly durable BOROFLOAT® substrates, these mirrors feature outstanding thermal and high chemical durability making them ideal for high temperature and harsh environment applications. TECHSPEC® Broadband Dielectric  $\lambda/4$  Mirrors are available in a variety of diameters from 12.5 - 50mm. A low-cost alternative to our precision polished [TECHSPEC Broadband Dielectric  \$\lambda/10\$  Mirrors](#), these mirrors are ideal for spectroscopy, microscopy, and general laboratory use such as beam steering or reflection applications utilizing multiple laser sources.

**Note:** Surface Flatness is measured pre-coating and deviations may appear after the coating has been applied. For applications where surface flatness is critical it is recommended to use the [TECHSPEC® Broadband Dielectric  \$\lambda/10\$  Mirrors](#).