



**Rainbow Optics Co.**

- *Optical Design Services*
- *Custom Optics and Lens Assemblies*

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## **Barium Fluoride Windows and Lenses**

<b>Diameter Tolerance (mm)</b>	<b>+0.00 -0.12</b>
<b>Thickness Tolerance (mm)</b>	<b>+/- 0.12</b>
<b>Surface flatness (windows)</b>	<b>1/10 wave at 10.6 microns</b>
<b>Parallelism (windows)</b>	<b>less 3 arc min</b>
<b>Surface Finish</b>	<b>60/40</b>
<b>Substrate</b>	<b>BaF<sub>2</sub></b>
<b>Focal Length Tolerance (lenses)</b>	<b>+/- 2%</b>
<b>Clear Aperture (lenses)</b>	<b>90% diameter</b>

