



SAPPHIRE WINDOWS AND LENSES

Sapphire is ideal for high-performance optical applications — military, aerospace, laser, high temperature, and high-pressure — because of its combination of qualities. Sapphire offers optical transparency, physical strength, and resistance to impact, abrasion, heat, and chemical attack.

The range of applications open to our customers is expanded by Rubicon's ability to produce very large windows of high optical quality and strength.



 **Rubicon Technology**
Evolving Science. Evolving Solutions.™



Material	High Purity Sapphire
Crystalline Quality:	Optical grade, no grain boundaries, twins, lineage, or cracks UV grade, IR grade
Surface Orientation:	C-plane (0001) A-plane (11-20) R-plane (10-12) M-plane (10-10) Random
Diameter:	Up to 300 mm
Thickness:	As per customer specifications
Surface Finish: (faces)	Single- or double-side polished Fine ground
Wave Front Distortion:	Up to Lambda/10
Flatness:	Up to Lambda/10
Available Options:	Beveled or chamfered edges

ES2™

