

IR Sapphire Window

BRD Optical mainly provide custom sapphire windows.

Uncoated sapphire provides exceptional surface hardness and a transmission range extending from the UV to the MIR. It can only be scratched by a few materials other than itself. The uncoated substrate is chemically inert and insoluble to water, common acids, or alkalis at temperatures up to $\sim 1,000^{\circ}\text{C}$. Our sapphire windows are z-cut so that the c-axis of the crystal is parallel with the optical axis, removing birefringence effects on transmitted light.

Here are the specifications of Sapphire Windows:

Material : Sapphire

Dimension : Dia5-200mm Customized

Dimension Tolerance : +/-0.1mm

Parallelism ≤ 3 arcmin

Surface Quality :60/40

Coating : AR coating

Any questions please contact me :

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