

Sapphire

Single-Crystal Alumina

Enabling performance improvement with our exemplary material and superior technologies.



Superior Material Characteristics

High purity, excellent crystallinity, strong mechanical properties, and superior chemical and electrical properties.



Cutting-Edge Processing Technologies

Our state-of-the-art processing technologies make it possible to create the shape and specification you need.



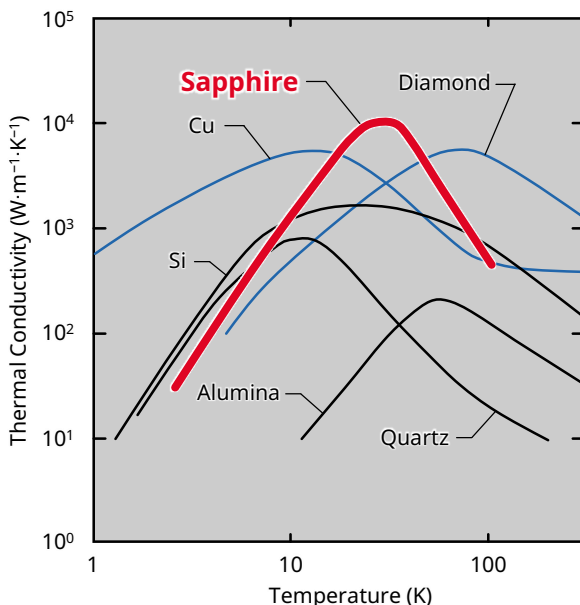
High Value-Added Technologies

Our unique technology provides exceptional performance and adds value to functionality.

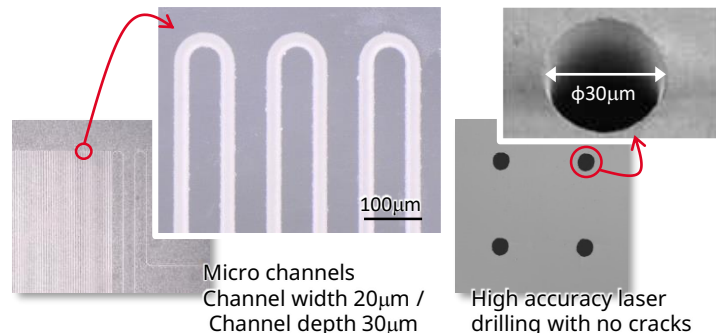


High Strength, bendable sapphire substrates with a thickness of 50 μ m or less (shown above with 100mm O.D.).

High Thermal Conductivity Especially at Low Temperature

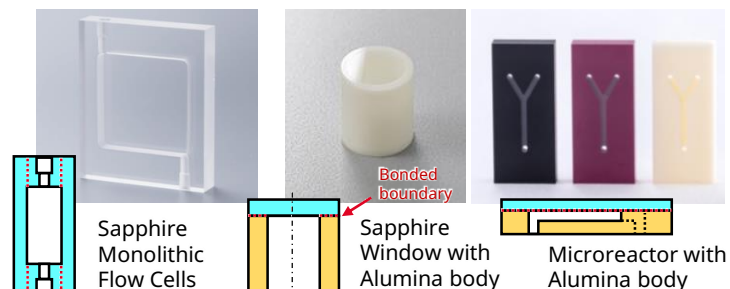


High Precision Processing: Laser Machining/Drilling



Unique Direct Bonding Technology Without Adhesive Material

Monolithic structure maintains superior characteristics and enables high hermeticity.



Extremely Low Dielectric Loss

Innovating high-quality sapphire crystals through advanced growth technology.