

★ DIAMOND INNOVATION

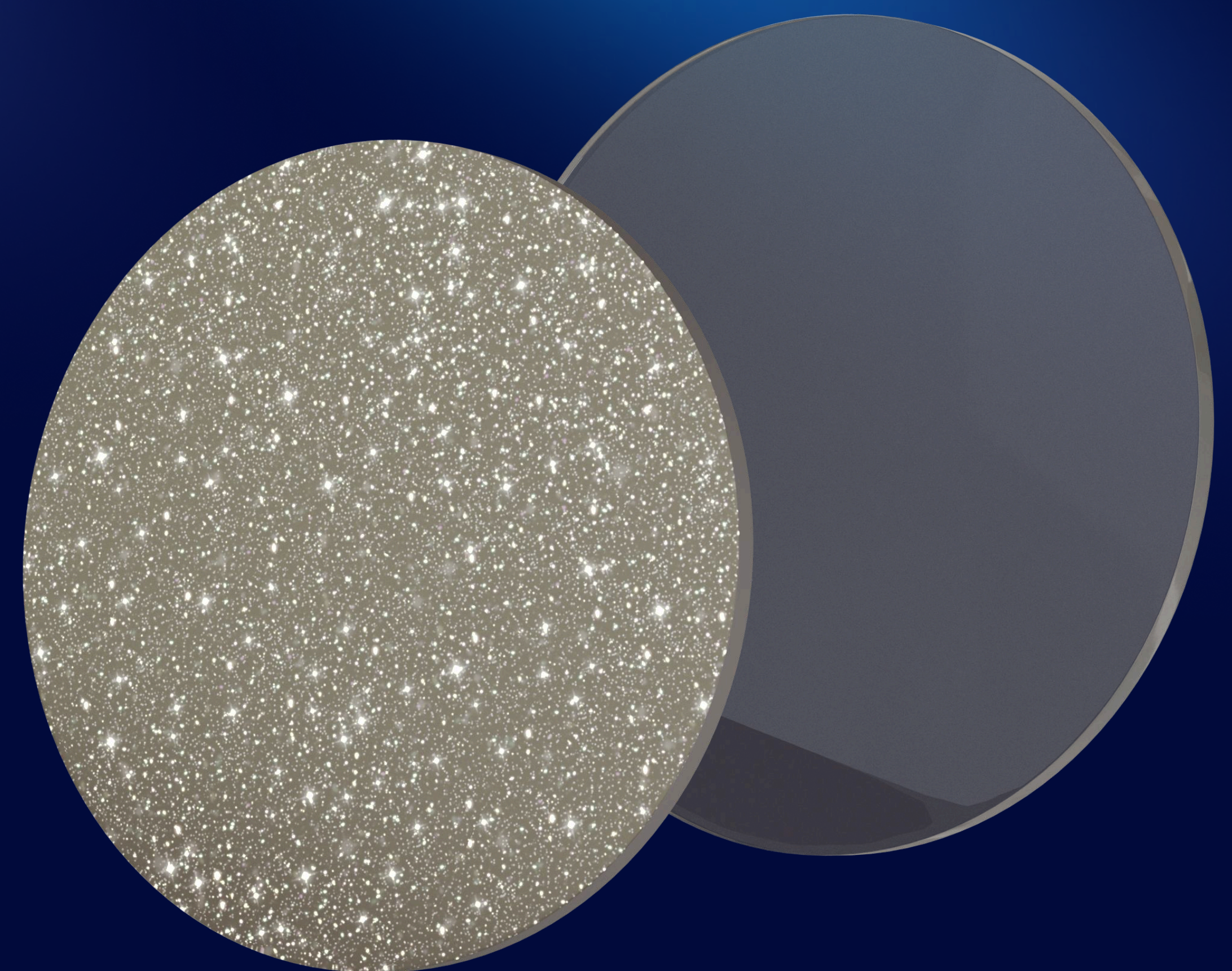
# Powering Innovation with Lab Grown *Diamond Solutions*

Karia Technologies is powering organizations with lab-grown diamond (LGD) solutions which allow them to achieve new levels of innovation, in the development of semiconductors, Artificial Intelligence (AI), quantum computing, electronics, and aerospace, among other industries.

## Lab Grown Diamonds have exceptional characteristics:

- ★ Extreme hardness
- ★ High thermal conductivity
- ★ Wide bandgap - great for high-power electronics
- ★ Chemical stability

The silicon dominated semiconductor field faces bottlenecks under conditions of high power density, high frequency, high temperature, and high radiation. Karia's solutions provide Thermalconductivity ten times greater than silicon.



## Get in Touch:

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CEO/ Co-founder

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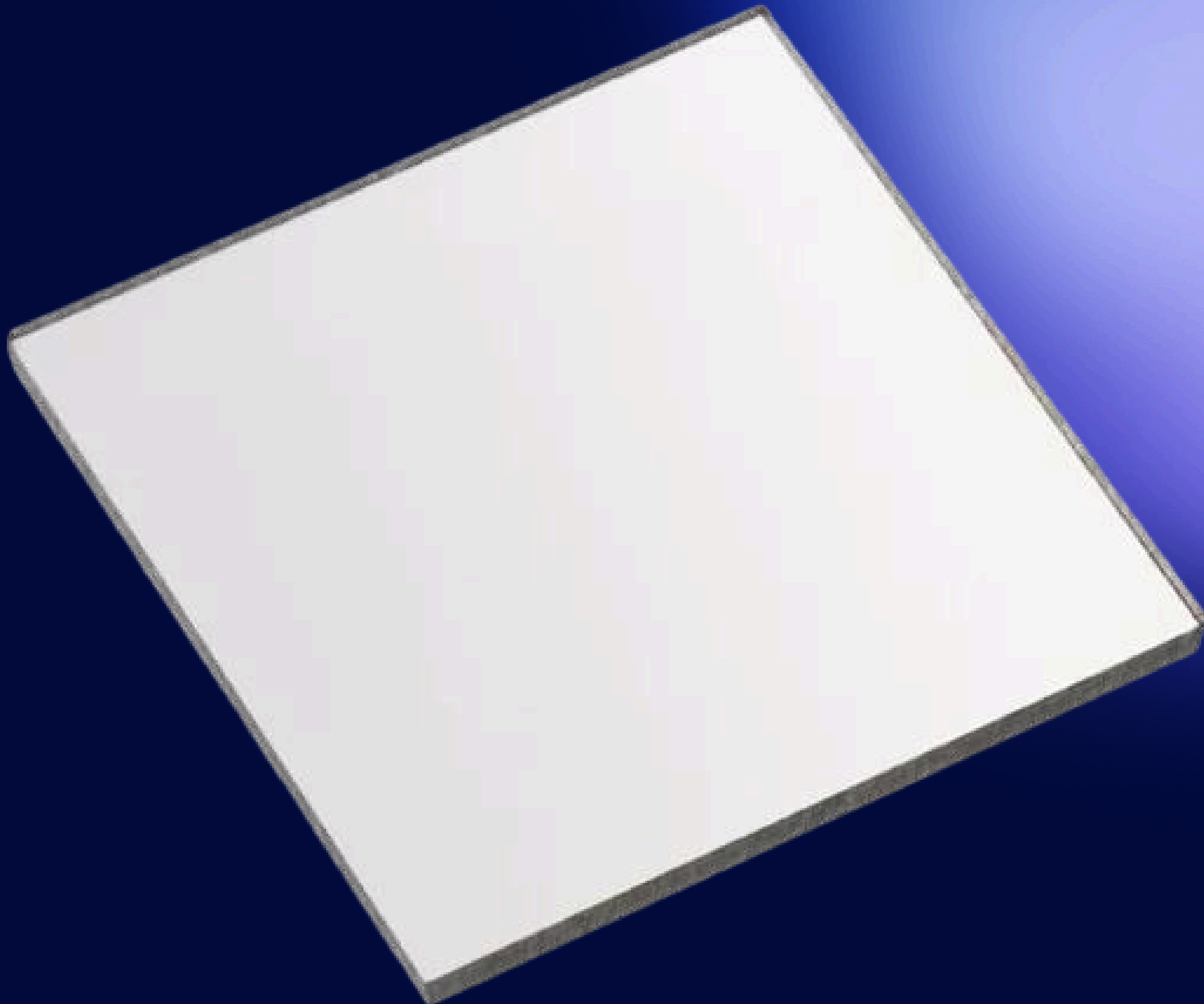
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★ OUR ADVANTAGE

# Karia's Competitive *Edge*



## Price

We offer the most competitive pricing in the global market, making LGD technology accessible to large, mid-market and startup organizations, so you can drive immediate ROI.



## Location

Our LGD solutions are manufactured in India, eliminating trade barriers prevalent with Chinese suppliers. With a US presence, we offer quick turnaround times.



## Flexible Minimum Order Quantities (MOQs)

Unique to the industry we do not have require an MOQ, allowing small to mid sized organizations to trial new solutions from Karia, and spend your corporate dollars wisely.

## Our Products:

- ★ Diamond Semiconductor Substrates/Wafers
- ★ Diamond Heat Sinks
- ★ Diamond opticals/windows
- ★ Diamond Powders

Our solutions can be purchased or customized to meet your organization's unique innovation needs. Our hands-on team is here to drive your innovation goals.

| Heat Sinks & Spreaders |             |
|------------------------|-------------|
| Length                 | 10.0 mm     |
| Width                  | 10.0 mm     |
| Thickness              | 0.5 mm      |
| Lateral Tolerance      | +0.2/-0 mm  |
| Thickness Tolerance    | +/- 0.05 mm |
| Price Tolerance        | \$250       |



## CONTACT

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## OUR LOCATION

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