Applications:

Our customised DSP solutions are used in the following fields:

- DSP solutions for MEMS/MST
- Bio MEMS
- RF MEMS
- Optoelectronics

IceMOS uses over 20 years of experience to offer the marketplace world class custom DSP solutions (double sided polished).

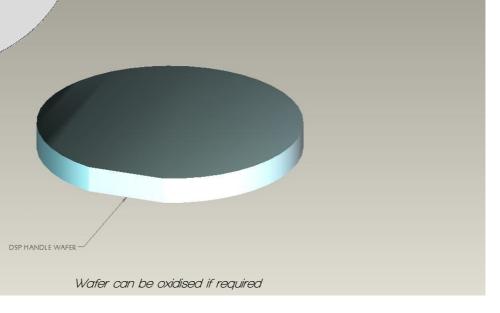
Our highly skilled team has many years of design and manufacturing experience to help develop a DSP solution to your requirement.

IceMOS DSP wafers are an excellent substrate for double sided lithography processing; the IceMOS expertise and knowledge of the product and the processes allow for exceptional thickness control. Additionally, non standard specifications for demanding applications will always be considered.

Our world class product quality, competitive cost structure plus rapid turnaround makes IceMOS Technology your ideal DSP partner

End Markets:

- Telecommunications
- Medical
- Automotive
- Consumer
- Security





DSP Specification

Parameter	Specification Range	
Wafer Diameter	100, 125, 150mm	200mm
Wafer Thickness	300-1200 μm	≥450 µm
Wafer Thickness Tolerance	±2 μm	±5 μm
Total Thickness Variation (TTV)	≤1 µm	≤2 µm
Bow	≤40 µm	
Warp	≤40 µm	
Roughness	≤3Å	
Dopant Type	N or P	
Doping	N type: Phos, Red Phos, Sb & As	
	P type: Boron	
Resistivity	≤0.001 - ≥10000 Ω-cm	
Growth Method	CZ, MCZ or FZ	
Crystal Orientation	<100>, <111> or <110>	
Thermally Oxidised Field Oxide	0.2-4.0 μm	
Thickness		

The above is a standard IceMOS specification; however, we are always happy to work with our customers to engineer specific solutions. If you would like to discuss an alternative specification, please contact our sales team: sales@icemostech.com