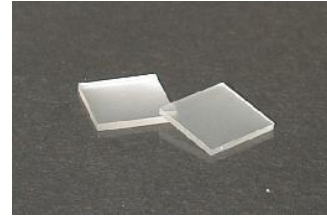


Yttria Stabilized Zirconia Substrates

Yttria Stabilized Zirconia (YSZ) Substrates!

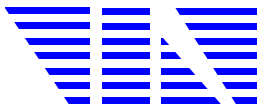
- YSZ single crystal substrates
- Epi ready
- Excellent quality, free of any defect



List of various YSZ substrates available:

<100>			
Size	Polish	Size	Polish
10 x 10 x 0.5mm	One side	10 x 10 x 1.0mm	One side
10 x 10 x 0.5mm	Both sides	10 x 10 x 1.0mm	Both sides
1.0" x 1.0" x 0.5mm	One side	5 x 5 x 0.5mm	One side
1.0" x 1.0" x 0.5mm	Both sides	5 x 5 x 0.5mm	Both sides
2" dia x 0.5mm	One side	50 x 50 x 0.5mm	One side
2" dia x 0.5mm	Both sides	1" dia x 0.5mm	One side
<110>		<111>	
5 x 5 x 0.5mm	One side	5 x 5 x 0.5mm	One side
10 x 10 x 0.5mm	One side	10 x 10 x 0.5mm	One side
10 x 10 x 0.5mm	Both sides	10 x 10 x 0.5mm	Both sides

Typical Properties	
Growth Method	Flux Technique
Chemical Formula	Y ₂ O ₃ stabilized ZrO ₂ , 8 % mole Y ₂ O ₃
Melting Point	2500°C
Density	5.8 gm/cm ³
Dielectric Constant	27
Optical Transmission	
Thermal Expansion	10.3 x 10 ⁻⁶ /°C



VIN KAROLA INSTRUMENTS

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