

# High Frequency Transducers



*High frequency focussed probe*

- Ultrasonic High Frequency Transducers are used to detect and size very small defects (inclusions, porosities or delaminations) in raw materials, welds, integrated circuits, silicon assemblies, etc. They are also used as a parts of ultrasonic microscopes.
- SONAXIS high frequency transducers are based on a single crystal technology bonded to a very thin acoustic lens. This technology provides a very high level of sensitivity coupled with a large broad band signal, thus no stray echoes occur in delay lines.
- Ultrasonic High Frequency Transducers are proposed in circular housings with different types of connectors. However, miniature or specific cases are also available.

Standard configurations are :

Frequency (MHz)	Aperture (mm)	Focal length (mm)
50	4	7 - 11 - 20
100	1,2	5
150	1	3
200	1	1
400	Development is pending	

**New**