

## Surface- and Bulk- Acoustic Wafers (SAW and BAW)

We produce Surface Acoustic Wafers SAW and Bulk Acoustic Wafers BAW from single crystals. Customized or grinded as well as coated by request. (The wafers can be produced also from other glass materials and crystals).

material	typical size	typical applications
Crystalline Quartz	diameter up to 101.6 mm thickness 0.3 - 3.0 mm	Y-cut with rotation between 20° and 45° around x-axis
Lithium Niobate LiNbO <sub>3</sub> (LN) as well as MgO: LiNbO <sub>3</sub>	diameter up to 101.6 mm thickness 0.3 - 3.0 mm	Y-cut with rotation between 36° and 163° around x-axis Y-cut with 0° X-cut with 0° Z-cut with 0°
Lithium Tantalate LiTaO <sub>3</sub>	diameter up to 76.2 mm thickness 0.3 - 3.0 mm	Y-cut with rotation between 36° and 112° around x-axis
Langasite La <sub>3</sub> Ga <sub>3</sub> SiO <sub>14</sub>	diameter up to 101.6 mm thickness 0.3 - 3.0 mm	Y-cut with rotation between 25° and 140° around x-axis