

<b>Growth Method:</b>	Czochralski-technique
<b>Crystal Structure:</b>	diamond, cubic
<b>Density (25°C):</b>	5,323 g/cm <sup>3</sup> 4,42 x 10 <sup>22</sup> atoms/cm <sup>3</sup>
<b>Lattice Constant:</b>	0,5657 nm
<b>Standard Orientation:</b>	(100) ± 0,5° (111) ± 0,5° (110) ± 0,5°

<b>Standard Sizes/ Standard Thickness:</b>	Ø 1 inch	300 µm
	Ø 2 inch	300 µm
	Ø 3 inch	300 µm
	Ø 100 mm	300 µm

**Germanium** one- or both side epipolished

**Germanium** with special orientation

**Germanium** with special shape

## Physical Properties:

### Gallium (Ga) – doped, p – type

0,1...0,3 Ωcm, 1 - 10 Ωcm,

### Dislocation Density

< 500 cm<sup>-2</sup>

### Antimon (Sb) – doped, n – type

< 0,4 Ωcm, 1 - 10 Ωcm,

< 500 cm<sup>-2</sup>

### Undoped

n – type  
> 30 Ωcm

< 500 cm<sup>-2</sup>

► Special orientations , other sizes and thicknesses and both side polished wafers on request