

GdScO₃
for Research and Development



CrysTec

KRISTALLTECHNOLOGIE

Growth Method:	Czochralski
Crystal Structure:	orthorombic, perovskite
Density (25°C):	6,6 g/cm ³
Lattice Constant:	a = 0,545 nm b = 0,575 nm c = 0,793 nm
Colour:	colourless

Physical Properties:	
Melting Point:	ca. 2400 K
Thermal Expansion:	10,9 x 10 ⁻⁶ K ⁻¹
Dielectric Constant:	~21 (1 MHz)
Band Gap	5,7 eV

Orientation:	(110)
Standard Size:	10 x 10 mm ² , 10 x 5 mm ²
Standard Thickness:	0.5 mm, 1 mm
Surface:	one- or both side epipolished

► For further information please feel free to ask.