

SEMI-INSULATING
SI-type

TECHNICAL SPECIFICATION		
Features	Units	Available planes
		C-plane (0001)
Carrier concentration	cm ⁻³	-
Dopant		Manganese-doped (~10 ¹⁹ cm ⁻³)
Resistivity	Ωcm	>10 ⁹
Mobility	cm ² / Vs	-
Thickness	μm	350 ±50
TTV	μm	≤40
Bow	μm	≤10
FWHM (0002) of XRC, (epi-ready; 0.1x0.1 mm slit)	arcsec	~20
Etch Pits Density (EPD)	cm ⁻²	~5x10 ⁴
Off-cut	deg	0.3±0.1 to the m-direction
Surface finishing	Front side	epi-ready (RMS < 0.5 nm)
	Back side	rough
Available sizes		10x10mm 1-inch 1.5-inch
Packaging		separate single wafer container
Special request		for pricing or technical enquiries please contact our sales team

