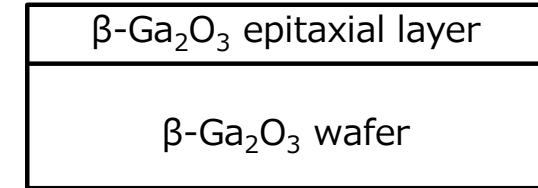


Standard specifications of 100 mm β -Ga₂O₃ epitaxial wafer (by HVPE)

Epitaxial layer

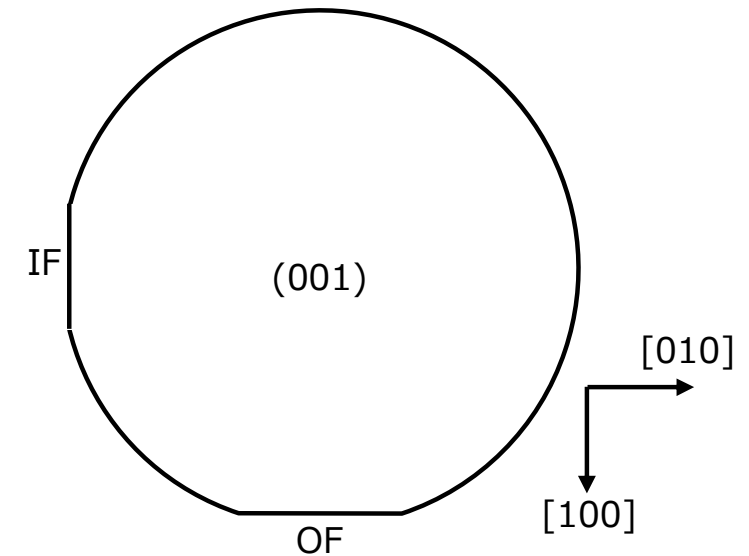
Items	Specifications
Dopant	Si (n-type)
Doping concentration <small>*A value can be selected in increments of $1 \times 10^{16} \text{ cm}^{-3}$.</small>	Specify a value in the range between 1×10^{16} and $9 \times 10^{16} \text{ cm}^{-3}$
Thickness <small>*A value can be selected in increments 1 μm.</small>	Specify a value in the range between 5 and 10 μm



Cross section of β -Ga₂O₃ epitaxial wafer

Epi-Wafer

Items	Specifications
Substrate dopant	Sn (n-type)
Substrate resistivity	0.007–0.042 $\Omega \cdot \text{cm}$
Surface orientation	(001)
Backside finish	CMP
Wafer thickness	650 μm
XRD FWHM <small>*Not included in a delivery inspection sheet</small>	$\leq 50 \text{ arcsec}$



Orientation



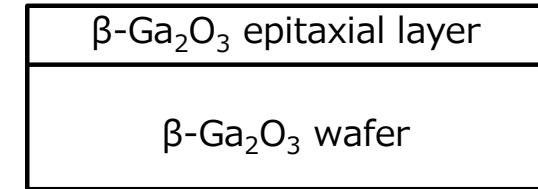
Remarks

- 1 There are cases in which the other side of OF is chipped (a maximum of around IF width).
- 2 These products must be used for research and development purposes only.
- 3 The substrates must not be used as a seed crystal.
- 4 The specifications are subject to change without notice.

Standard specifications of 2 inch β -Ga₂O₃ epitaxial wafer (by HVPE)

Epitaxial layer

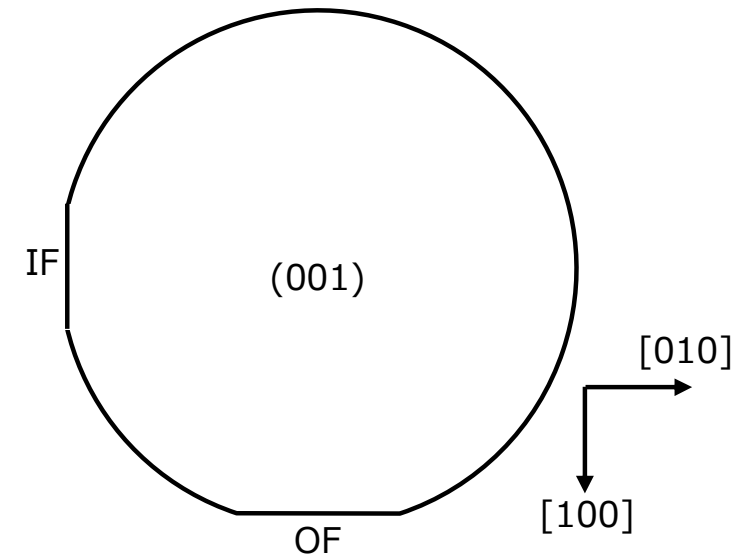
Items	Specifications
Dopant	Si (n-type)
Doping concentration <small>*A value can be selected in increments of $1 \times 10^{16} \text{ cm}^{-3}$.</small>	Specify a value in the range between 1×10^{16} and $9 \times 10^{16} \text{ cm}^{-3}$
Thickness <small>*A value can be selected in increments 1 μm.</small>	Specify a value in the range between 5 and 10 μm



Cross section of β -Ga₂O₃ epitaxial wafer

Epi-Wafer

Items	Specifications
Substrate dopant	Sn (n-type)
Substrate resistivity	0.007–0.042 $\Omega \cdot \text{cm}$
Surface orientation	(001)
Backside finish	CMP
Wafer thickness	650 μm
XRD FWHM <small>*Not included in a delivery inspection sheet</small>	$\leq 50 \text{ arcsec}$



Orientation



Remarks

- 1 There are cases in which the other side of OF is chipped (a maximum of around IF width).
- 2 These products must be used for research and development purposes only.
- 3 The substrates must not be used as a seed crystal.
- 4 The specifications are subject to change without notice.