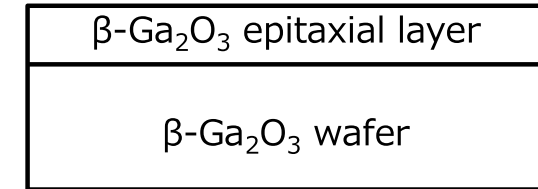


Standard specifications of 100 mm β -Ga₂O₃ epitaxial wafer (by HVPE)

Epitaxial layer

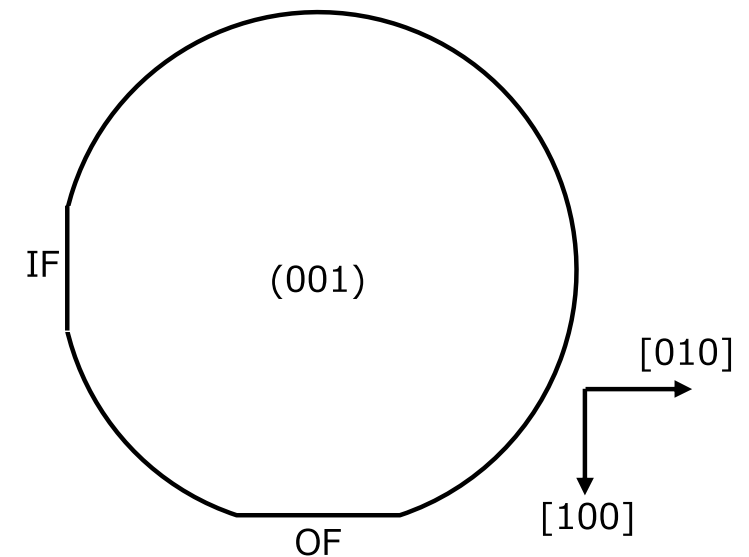
Items	Specifications
Dopant	Si (n-type)
Doping concentration <small>*A value can be selected in increments of $1 \times 10^{16} \text{ cm}^{-3}$.</small>	Specify a value in the range between 1×10^{16} and $9 \times 10^{16} \text{ cm}^{-3}$
Thickness <small>*A value can be selected in increments 1 μm.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



Cross section of β -Ga₂O₃ epitaxial wafer

Wafer

Items	Specifications
Dopant	Sn (n-type)
Resistivity	0.007 ~ 0.042 $\Omega \cdot \text{cm}$
Orientation	(001)
Size	100 mm
Thickness	0.65 mm
XRD FWHM	≤ 350 arcsec
Off set angle	$0^\circ \pm 1^\circ$



Orientation



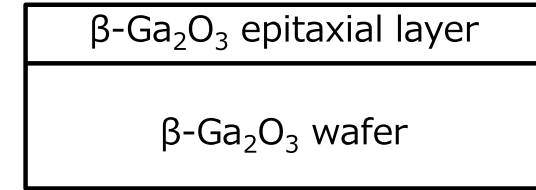
Remarks

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

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

Epitaxial layer

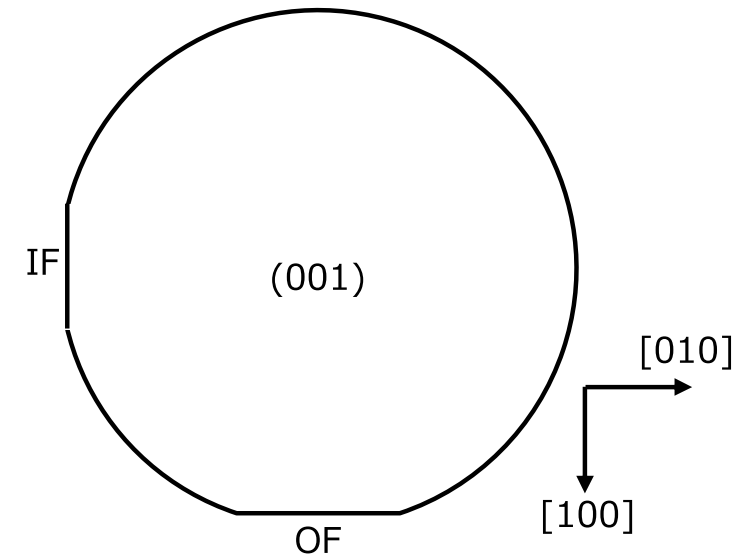
Items	Specifications
Dopant	Si (n-type)
Doping concentration <small>*A value can be selected in increments of $1 \times 10^{16} \text{ cm}^{-3}$.</small>	Specify a value in the range between 1×10^{16} and $9 \times 10^{16} \text{ cm}^{-3}$
Thickness <small>*A value can be selected in increments 1 μm.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



Cross section of β -Ga₂O₃ epitaxial wafer

Wafer

Items	Specifications
Dopant	Sn (n-type)
Resistivity	0.007 ~ 0.042 $\Omega \cdot \text{cm}$
Orientation	(001)
Size	2 inch
Thickness	0.65 mm
XRD FWHM	$\leq 350 \text{ arcsec}$
Off set angle	$0^\circ \pm 1^\circ$



Orientation



Remarks

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