



## Silicon Crystal & Compound Semiconductor

### ↘ IC Grade Silicon Ingot

**IC Grade Silicon Ingot** is in cylindrical rod shape, blue-black colour, with single crystalline structure and continuous crystal lattice of the entire solid, without broken chips on the edges and free of any grain boundaries, which can accurately be sliced by wire saw into circular wafer. These wafers are widely used for diode, triode, thyristor manufacturing in IC industry. 2" 3" 4" 5" 6" 8" and customized diameter are available



No.	Items	Standard Specifications
1	Size	2" 3" 4" 5" 6" 8"
2	Diameter mm	50.8-300, or as required
3	Growth Method	CZ or FZ or FZNTD
4	Conductivity Type	P/Boron, N/Phosphorus or un-doped
5	Length mm	150-500, or as required
6	Orientation	<100> <110> <111>
7	Resistivity $\Omega \cdot \text{cm}$	As required
8	Carbon Content $\text{a/cm}^3 \text{ max}$	5E16, or as required
9	Oxygen Content $\text{a/cm}^3 \text{ max}$	1E18, or as required
10	Metal Contamination $\text{a/cm}^3 \text{ max}$	5E10 (Cu, Cr, Fe, Ni), 3E10 (Al, Ca, Na, K, Zn)
11	Packing	In plastic bag inside, carton box outside.