SERIES S17 · FLOAT ZONE

High-resistivity float-zone (FZ) silicon



Float-zone silicon combines very high resistivity with very low oxygen content: the substrate of choice for terahertz optics, RF and microwave devices, superconducting circuits, IR windows and detectors.

- Orientation ⟨100⟩ (⟨111⟩ on request)
- Intrinsic (undoped) or lightly doped
- DSP for THz / IR transmission
- Very low oxygen and carbon content

CONFIGURATIONS

Ref. No.	Diameter	Thickness	Resistivity (Ω·cm)	Polish	Price
S1701	2"	280 µm	> 1,000	SSP	On request
S1702	2"	280 µm	> 1,000	DSP	On request
S1703	2"	280 µm	> 5,000	SSP	On request
S1704	2"	280 µm	> 5,000	DSP	On request
S1705	2"	280 µm	> 10,000	SSP	On request
S1706	2"	280 µm	> 10,000	DSP	On request
S1707	2"	500 µm	> 1,000	SSP	On request
S1708	2"	500 µm	> 1,000	DSP	On request
S1709	2"	500 µm	> 5,000	SSP	On request
S1710	2"	500 µm	> 5,000	DSP	On request
S1711	2"	500 µm	> 10,000	SSP	On request
S1712	2"	500 µm	> 10,000	DSP	On request
S1713	2"	1000 µm	> 1,000	SSP	On request
S1714	2"	1000 µm	> 1,000	DSP	On request
S1715	2"	1000 µm	> 5,000	SSP	On request
S1716	2"	1000 µm	> 5,000	DSP	On request
S1717	2"	1000 µm	> 10,000	SSP	On request
S1718	2"	1000 µm	> 10,000	DSP	On request
S1719	3"	380 µm	> 1,000	SSP	On request
S1720	3"	380 µm	> 1,000	DSP	On request
S1721	3"	380 µm	> 5,000	SSP	On request
S1722	3"	380 µm	> 5,000	DSP	On request
S1723	3"	380 µm	> 10,000	SSP	On request
S1724	3"	380 µm	> 10,000	DSP	On request
S1725	3"	500 µm	> 1,000	SSP	On request
S1726	3"	500 µm	> 1,000	DSP	On request
S1727	3"	500 µm	> 5,000	SSP	On request

Ref. No.	Diameter	Thickness	Resistivity (Ω·cm)	Polish	Price
S1728	3"	500 µm	> 5,000	DSP	On request
S1729	3"	500 µm	> 10,000	SSP	On request
S1730	3"	500 µm	> 10,000	DSP	On request
S1731	3"	1000 µm	> 1,000	SSP	On request
S1732	3"	1000 µm	> 1,000	DSP	On request
S1733	3"	1000 µm	> 5,000	SSP	On request
S1734	3"	1000 µm	> 5,000	DSP	On request
S1735	3"	1000 µm	> 10,000	SSP	On request
S1736	3"	1000 µm	> 10,000	DSP	On request
S1737	4"	525 µm	> 1,000	SSP	On request
S1738	4"	525 µm	> 1,000	DSP	On request
S1739	4"	525 µm	> 5,000	SSP	On request
S1740	4"	525 µm	> 5,000	DSP	On request
S1741	4"	525 µm	> 10,000	SSP	On request
S1742	4"	525 µm	> 10,000	DSP	On request
S1743	4"	1000 µm	> 1,000	SSP	On request
S1744	4"	1000 µm	> 1,000	DSP	On request
S1745	4"	1000 µm	> 5,000	SSP	On request
S1746	4"	1000 µm	> 5,000	DSP	On request
S1747	4"	1000 µm	> 10,000	SSP	On request
S1748	4"	1000 µm	> 10,000	DSP	On request
S1749	6"	675 µm	> 1,000	SSP	On request
S1750	6"	675 µm	> 1,000	DSP	On request
S1751	6"	675 µm	> 5,000	SSP	On request
S1752	6"	675 µm	> 5,000	DSP	On request

Specifications are typical values; every lot ships with a Certificate of Conformance, and measured data are available on request. Prices on request.