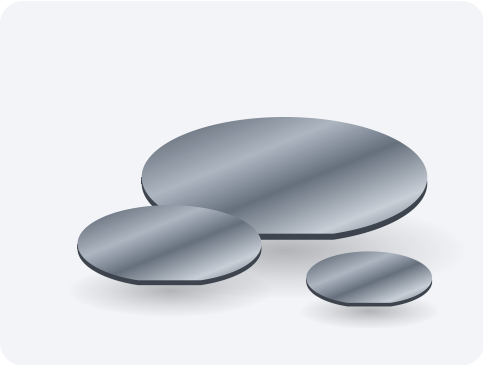
SERIES S10 – S15 · PRIME GRADE

Prime-grade CZ silicon wafers



Czochralski-grown, single-crystal silicon wafers polished to an epi-ready finish. Every combination of diameter, dopant, orientation, resistivity and polish below has its own reference number.

- SSP = single-side polished, DSP = double-side polished
- TTV ≤ 10 µm (≤ 5 µm DSP), bow / warp ≤ 30 µm
- SEMI flats or notch as listed; packed 25 per cassette
- Measured resistivity and thickness on request

2" (50.8 MM) PRIME SILICON · THICKNESS 280 ± 25 MM · SEMI FLATS

Ref. No.	Type	Dopant	Orientation	Resistivity (Ω·cm)	Polish	Price
S1001	P	Boron	⟨100⟩	1 – 10	SSP	On request
S1002	P	Boron	⟨100⟩	1 – 10	DSP	On request
S1003	P	Boron	⟨100⟩	10 – 20	SSP	On request
S1004	P	Boron	⟨100⟩	10 – 20	DSP	On request
S1005	P++	Boron	⟨100⟩	0.001 – 0.005	SSP	On request
S1006	P++	Boron	⟨100⟩	0.001 – 0.005	DSP	On request
S1007	P	Boron	⟨111⟩	1 – 10	SSP	On request
S1008	P	Boron	⟨111⟩	1 – 10	DSP	On request
S1009	N	Phosphorus	⟨100⟩	1 – 10	SSP	On request
S1010	N	Phosphorus	⟨100⟩	1 – 10	DSP	On request
S1011	N	Phosphorus	⟨111⟩	1 – 10	SSP	On request
S1012	N	Phosphorus	⟨111⟩	1 – 10	DSP	On request
S1013	N++	Arsenic	⟨100⟩	0.001 – 0.005	SSP	On request
S1014	N++	Arsenic	⟨100⟩	0.001 – 0.005	DSP	On request
S1015	N+	Antimony	⟨100⟩	0.008 – 0.02	SSP	On request
S1016	N+	Antimony	⟨100⟩	0.008 – 0.02	DSP	On request
S1017	P	Boron	⟨110⟩	1 – 10	SSP	On request
S1018	P	Boron	⟨110⟩	1 – 10	DSP	On request

3" (76.2 MM) PRIME SILICON · THICKNESS 380 ± 25 MM · SEMI FLATS

Ref. No.	Type	Dopant	Orientation	Resistivity (Ω·cm)	Polish	Price
S1101	P	Boron	⟨100⟩	1 – 10	SSP	On request
S1102	P	Boron	⟨100⟩	1 – 10	DSP	On request
S1103	P	Boron	⟨100⟩	10 – 20	SSP	On request
S1104	P	Boron	⟨100⟩	10 – 20	DSP	On request
S1105	P++	Boron	⟨100⟩	0.001 – 0.005	SSP	On request
S1106	P++	Boron	⟨100⟩	0.001 – 0.005	DSP	On request

Ref. No.	Type	Dopant	Orientation	Resistivity (Ω·cm)	Polish	Price
S1107	P	Boron	⟨111⟩	1 – 10	SSP	On request
S1108	P	Boron	⟨111⟩	1 – 10	DSP	On request
S1109	N	Phosphorus	⟨100⟩	1 – 10	SSP	On request
S1110	N	Phosphorus	⟨100⟩	1 – 10	DSP	On request
S1111	N	Phosphorus	⟨111⟩	1 – 10	SSP	On request
S1112	N	Phosphorus	⟨111⟩	1 – 10	DSP	On request
S1113	N++	Arsenic	⟨100⟩	0.001 – 0.005	SSP	On request
S1114	N++	Arsenic	⟨100⟩	0.001 – 0.005	DSP	On request
S1115	N+	Antimony	⟨100⟩	0.008 – 0.02	SSP	On request
S1116	N+	Antimony	⟨100⟩	0.008 – 0.02	DSP	On request
S1117	P	Boron	⟨110⟩	1 – 10	SSP	On request
S1118	P	Boron	⟨110⟩	1 – 10	DSP	On request

4" (100 MM) PRIME SILICON · THICKNESS 525 ± 25 MM · SEMI FLATS

Ref. No.	Type	Dopant	Orientation	Resistivity (Ω·cm)	Polish	Price
S1201	P	Boron	⟨100⟩	1 – 10	SSP	On request
S1202	P	Boron	⟨100⟩	1 – 10	DSP	On request
S1203	P	Boron	⟨100⟩	10 – 20	SSP	On request
S1204	P	Boron	⟨100⟩	10 – 20	DSP	On request
S1205	P++	Boron	⟨100⟩	0.001 – 0.005	SSP	On request
S1206	P++	Boron	⟨100⟩	0.001 – 0.005	DSP	On request
S1207	P	Boron	⟨111⟩	1 – 10	SSP	On request
S1208	P	Boron	⟨111⟩	1 – 10	DSP	On request
S1209	N	Phosphorus	⟨100⟩	1 – 10	SSP	On request
S1210	N	Phosphorus	⟨100⟩	1 – 10	DSP	On request
S1211	N	Phosphorus	⟨111⟩	1 – 10	SSP	On request
S1212	N	Phosphorus	⟨111⟩	1 – 10	DSP	On request
S1213	N++	Arsenic	⟨100⟩	0.001 – 0.005	SSP	On request
S1214	N++	Arsenic	⟨100⟩	0.001 – 0.005	DSP	On request
S1215	N+	Antimony	⟨100⟩	0.008 – 0.02	SSP	On request
S1216	N+	Antimony	⟨100⟩	0.008 – 0.02	DSP	On request
S1217	P	Boron	⟨110⟩	1 – 10	SSP	On request
S1218	P	Boron	⟨110⟩	1 – 10	DSP	On request

6" (150 MM) PRIME SILICON · THICKNESS 675 ± 25 MM · SEMI FLAT OR NOTCH

Ref. No.	Type	Dopant	Orientation	Resistivity (Ω·cm)	Polish	Price
S1301	P	Boron	⟨100⟩	1 – 10	SSP	On request
S1302	P	Boron	⟨100⟩	1 – 10	DSP	On request
S1303	P	Boron	⟨100⟩	10 – 20	SSP	On request
S1304	P	Boron	⟨100⟩	10 – 20	DSP	On request
S1305	P++	Boron	⟨100⟩	0.001 – 0.005	SSP	On request
S1306	P++	Boron	⟨100⟩	0.001 – 0.005	DSP	On request
S1307	P	Boron	⟨111⟩	1 – 10	SSP	On request

Ref. No.	Type	Dopant	Orientation	Resistivity (Ω·cm)	Polish	Price
S1308	P	Boron	⟨111⟩	1 – 10	DSP	On request
S1309	N	Phosphorus	⟨100⟩	1 – 10	SSP	On request
S1310	N	Phosphorus	⟨100⟩	1 – 10	DSP	On request
S1311	N	Phosphorus	⟨111⟩	1 – 10	SSP	On request
S1312	N	Phosphorus	⟨111⟩	1 – 10	DSP	On request
S1313	N++	Arsenic	⟨100⟩	0.001 – 0.005	SSP	On request
S1314	N++	Arsenic	⟨100⟩	0.001 – 0.005	DSP	On request
S1315	N+	Antimony	⟨100⟩	0.008 – 0.02	SSP	On request
S1316	N+	Antimony	⟨100⟩	0.008 – 0.02	DSP	On request
S1317	P	Boron	⟨110⟩	1 – 10	SSP	On request
S1318	P	Boron	⟨110⟩	1 – 10	DSP	On request

8" (200 MM) PRIME SILICON · THICKNESS 725 ± 25 MM · NOTCH

Ref. No.	Type	Dopant	Orientation	Resistivity (Ω·cm)	Polish	Price
S1401	P	Boron	⟨100⟩	1 – 10	SSP	On request
S1402	P	Boron	⟨100⟩	1 – 10	DSP	On request
S1403	P	Boron	⟨100⟩	10 – 20	SSP	On request
S1404	P	Boron	⟨100⟩	10 – 20	DSP	On request
S1405	P++	Boron	⟨100⟩	0.001 – 0.005	SSP	On request
S1406	P++	Boron	⟨100⟩	0.001 – 0.005	DSP	On request
S1407	N	Phosphorus	⟨100⟩	1 – 10	SSP	On request
S1408	N	Phosphorus	⟨100⟩	1 – 10	DSP	On request
S1409	N++	Arsenic	⟨100⟩	0.001 – 0.005	SSP	On request
S1410	N++	Arsenic	⟨100⟩	0.001 – 0.005	DSP	On request

12" (300 MM) PRIME SILICON · THICKNESS 775 ± 25 MM · NOTCH

Ref. No.	Type	Dopant	Orientation	Resistivity (Ω·cm)	Polish	Price
S1501	P	Boron	⟨100⟩	1 – 10	DSP	On request
S1502	P++	Boron	⟨100⟩	0.001 – 0.005	DSP	On request
S1503	N	Phosphorus	⟨100⟩	1 – 10	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.