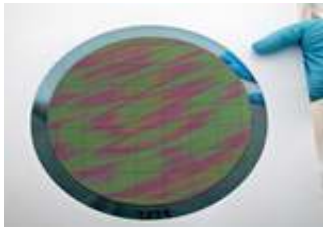


DoSi - Diamond on Silicon Wafers

Product Code	UNCD Product	Wafer Size (mm)	Wafer Type*	Oxide Layer (μm	UNCD Film Thickness	MSRP (each)
				SiO ₂)	(μm)	
UA25-100-0-p1	Aqua 25	100	DoSi	-	0.1	\$525
UA25-100-0-p2	Aqua 25	100	DoSi	-	0.2	\$525
UA25-100-0-p3	Aqua 25	100	DoSi	-	0.3	\$525
UA25-100-0-1	Aqua 25	100	DoSi	-	1	\$525
UA25-100-0-2	Aqua 25	100	DoSi	-	2	\$525
UA25-150-0-p3	Aqua 25	150	DoSi	-	0.3	\$999
UA25-150-0-1	Aqua 25	150	DoSi	-	1	\$999
UA25-200-0-p3	Aqua 25	200	DoSi	-	0.3	\$1,699
UA25-200-0-1	Aqua 25	200	DoSi	-	1	\$1,699
UA50-100-0-1	Aqua 50	100	DoSi	-	1	\$525
UA50-150-0-1	Aqua 50	150	DoSi	-	1	\$999
UA50-200-0-1	Aqua 50	200	DoSi	-	1	\$1,699
UA100-100-0-1	Aqua 100	100	DoSi	-	1	\$675
UA100-150-0-1	Aqua 100	150	DoSi	-	1	\$1,419
UA100-200-0-1	Aqua 100	200	DoSi	-	1	\$2,499
Custom wafers available		100-300	DoSi	-	0.1 - 10 μm	Call for Pricing

UNCD Diamond Thin Film Specifications: Thickness ± 20%, Thickness Uniformity typically <10%, Surface roughness Aqua 25 is < 10nm rms (Aqua 50 has no specification, Aqua 100 is ~ 30-40 nm), Electrical resistivity of Lightning 25 is < 1 ohm-cm, wafers will have no blemishes or particulates visible to naked eye, exclusion zone within 5 mm of edge. Base Wafers specifications: Prime grade, <100> Si wafer base, 500 μm ± 50 μm, DOI contain 1 μm of thermal SiO_x on whole wafer, back and front side.

WPL-20100203



DOI - Diamond on Oxide Wafers

Product Code	UNCD Product	Wafer Size (mm)	Wafer Type*	Oxide Layer (μm	UNCD Film Thickness	MSRP (each)
				SiO ₂)	(μm)	
UA25-100-1-p1	Aqua 25	100	DOI	1	0.1	\$525
UA25-100-1-p2	Aqua 25	100	DOI	1	0.2	\$525
UA25-100-1-p3	Aqua 25	100	DOI	1	0.3	\$525
UA25-100-1-1	Aqua 25	100	DOI	1	1	\$525
UA25-100-1-2	Aqua 25	100	DOI	1	2	\$525
UA25-150-1-p3	Aqua 25	150	DOI	1	0.3	\$999
UA25-150-1-1	Aqua 25	150	DOI	1	1	\$999
UA25-200-1-p3	Aqua 25	200	DOI	1	0.3	\$1,699
UA25-200-1-1	Aqua 25	200	DOI	1	1	\$1,699
UA50-100-1-1	Aqua 50	100	DOI	1	1	\$525
UA50-150-1-1	Aqua 50	150	DOI	1	1	\$999
UA50-200-1-1	Aqua 50	200	DOI	1	1	\$1,699
UA100-100-1-1	Aqua 100	100	DOI	1	1	\$675
UA100-150-1-1	Aqua 100	150	DOI	1	1	\$1,419
UA100-200-1-1	Aqua 100	200	DOI	1	1	\$2,499
Custom wafers available		100-300	DOI	1	0.1 - 10 μm	Call for Pricing

UNCD Diamond Thin Film Specifications: Thickness ± 20%, Thickness Uniformity typically <10%, Surface roughness Aqua 25 is < 10nm rms (Aqua 50 has no specification, Aqua 100 is ~ 30-40 nm), Electrical resistivity of Lightning 25 is < 1 ohm-cm, wafers will have no blemishes or particulates visible to naked eye, exclusion zone within 5 mm of edge. Base Wafers specifications: Prime grade, <100> Si wafer base, 500 μm ± 50 μm, DOI contain 1 μm of thermal SiO_x on whole wafer, back and front side.

WPL-20100203



UNCD Horizon - UNCD with a surface roughness less than 1 nm

Product Code	UNCD Product	Wafer Size (mm)	Wafer Type*	Oxide Layer (µm SiO2)	UNCD Film Thickness (µm)	MSRP (each)
HA25-001-0-p1	Aqua 25	Die - 1 cm ²	DoSi	-	0.1	\$149
HA25-001-0-p2	Aqua 25	Die - 1 cm ²	DoSi	-	0.2	\$149
HA25-001-1-p3	Aqua 25	Die - 1 cm ²	DOI	1	0.3	\$149
HA25-001-0-1	Aqua 25	Die - 1 cm ²	DoSi	-	1	\$149
HA25-001-0-2	Aqua 25	Die - 1 cm ²	DoSi	-	2	\$149
HA25-100-0-1	Aqua 25	100	DoSi	-	1	\$1,350
HA25-100-0-2	Aqua 25	100	DoSi	-	2	\$1,350



UNCD Lightning - Conductive diamond wafers

Product Code	UNCD Product	Wafer Size (mm)	Wafer Type*	Oxide Layer (µm SiO2)	UNCD Film Thickness (µm)	MSRP (each)
UL25-100-1-p1	Lightning 25	100	DOI	1	0.1	\$725
UL25-100-1-p3	Lightning 25	100	DOI	1	0.3	\$725
UL25-100-1-p5	Lightning 25	100	DOI	1	0.5	\$725
UL25-100-1-1	Lightning 25	100	DOI	1	1	\$725
UL25-100-1-2	Lightning 25	100	DOI	1	2	\$725
Custom wafers available		100-300	DoSi / DOI	0/1	0.05 - 10 µm	Call for Pricing



UNCD Diamond Windows - Window size: 300 micron² windows

Product Code	UNCD Product	Wafer Size (mm)	Wafer Type*	Oxide Layer (µm SiO2)	UNCD Film Thickness (µm)	MSRP (each)
WA25-100-1-p1	Aqua 25	Die - 1.5 cm ²	DOI	1	0.07	\$749

At least 15 complete windows, 2mm apart, per die.

UNCD Diamond Thin Film Specifications: Thickness ± 20%, Thickness Uniformity typically <10%, Surface roughness Aqua 25 is < 10nm rms (Aqua 50 has no specification, Aqua 100 is ~ 30-40 nm), Electrical resistivity of Lightening 25 is < 1 ohm-cm, wafers will have no blemishes or particulates visible to naked eye, exclusion zone within 5 mm of edge. Base Wafers specifications: Prime grade, <100> Si wafer base, 500 µm ± 50 µm, DOI contain 1 µm of thermal SiOx on whole wafer, back and front side.