7-Element Series

Example Configuration : XSDD50-07GRCH-SYS

Silicon Drift Detector
XSDD50-07GRCH
1 Unit

Tube length: Standard 200 mm
(* Customizable)

Digital Spectrometer for XAFS Measurement
1G Ethernet
APU508XP 1 Unit

OR

Digital Spectrometer for XAFS Measurement
10G Ethernet
APU508XP-10G 1 Unit

Window Material List

Type	Model Notation	Thickness	Remarks
Windowless	WL	-	Compatible with He and N atmospheres.
Graphene	GRCH	1 µm	For high energy. Compatible with 8 µm and 12.5 µm Be windows. No support grid.
	GRCL	165 nm	For low energy. Silicon support grid (86% open area ratio).
Silicon Nitride	C1	150 nm	Light-tight.
	C2	40 nm	Not light-tight. Not compatible with He atmosphere.
Beryllium	Be	12.5 µm	

7-Element Silicon Drift Detector Series

Window Material	Environment		Light Shielding	Active Area / Collimated Area	Model
	Atmosphere	Vacuum			
GRCH	○	Contact us	-	287 mm2/196 mm2	XSDD30-07GRCH
				455 mm2/329 mm2	XSDD50-07GRCH
Be	○	Contact us	-	490 mm2/280 mm2	XSDD1T50-07Be

***Please contact us for inquiries regarding vacuum compatibility or custom fabrication using window materials other than those listed above.**

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