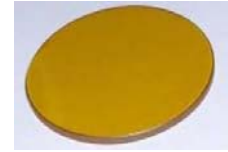




➤ Cadmium Sulfide (CdS) Substrate

Cadmium Sulfide (CdS) Substrate is compound by high purity Cadmium and Sulfur elements, grown by Vertical Gradient Freeze (VGF) method, is widely used for the fabrication of UV detectors, photoresistors, laser devices and other infrared devices. Circular wafer 2" and square type 10x10 mm are available.



No.	Items	Standard Specifications	
		Circular	Square
1	Shape	Circular	Square
2	Size	2"	--
3	Diameter mm	50.8	--
4	Side Length mm	--	10x10
5	Growth Method	VGF	VGF
6	Conductivity	N/Phosphorus-doped or Semi-insulating	
7	Orientation	<0001>	<0001>
8	Thickness μm	500±15	(250-300)±10
9	Resistivity Ω-cm	<5	<5 or >10 ⁶
10	Orientation Flat	As per SEMI	--
11	Identification Flat	As per SEMI	--
12	TTV μm max	12	10
13	Bow μm max	40	40
14	Warp μm max	40	40
15	Infrared Transmittance	>71%	>71%
16	Hall Mobility cm ² /V.s	2x10 ⁻²	2x10 ⁻²
17	Surface Finish	P/E	P/E
18	Surface Roughness nm	<1	<1
19	Packing	Single wafer container inside, carton box outside.	