



Aluminum nitride AlN ceramic substrate :

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Main features:

High thermal conductivity, good electrical properties, thermal expansion coefficient close to that of Si sheet, non-toxic, it is an ideal material to replace BeO ceramics.

Typical application :

High-performance substrate materials and packaging materials for high-density hybrid circuits, microwave power devices, power electronic devices, optoelectronic components, semiconductor refrigeration and other products.

Material properties :

model	density	Thermal	coefficient	Dielectric	Dielectric	tgδ	Volume	Flexural
SD5111	>3.20	80~100	<4.5	>15	9.0	3~10	>10 ¹³	>20
SD5113	>3.25	100~130	<4.3	>15	8.7	3~7	>10 ¹⁴	>25
SD5115	>3.25	140~170	<4.3	>15	8.7	3~7	>10 ¹⁴	>28
SD5116	>3.26	>170	<4.2	>15	8.7	3~7	>10 ¹⁴	>30