

AlN 陶瓷基板性能参数

Shocktech AlN Data Sheet

特性项目(Item)		单位(unit)	SKT-AN100	SKT-AN200
颜色(Color)		-	灰黑(Black)	灰白(Gray)
密度(Bulk Density)		g/cm ³	3.30	3.30
热学性能 (Thermal Characteristics)	热导率 (Thermal Conductivity)	W/(m·K)	100	200
	热膨胀系数 (coefficient of Linear Thermal Expansion)	×10 ⁻⁶ /°C RT-800°C	4.8	5.4
电学性能 (Electrical Characteristics)	介电常数 (Dielectric constant) (1MHz)	-	≤9	≤9
	介电损耗 (Loss Tangent)	(×10 ⁻⁴)	10	5
	击穿强度 (Dielectric Strength)	KV/mm	14	14
	体积电阻率 (Volume Resistivity)	Ω·cm	≥10 ¹⁴	≥10 ¹⁴
机械性能 (Mechanical Characteristics)	抗弯强度 (Flexural Strength)	MPa	330	350
	杨氏模量 (Young's Modulus of Elasticity)	GPa	320	320