



Zipro Technology Corporation

德鋆科技股份有限公司

3F, No. 107, Sec. 4, Nanjing E. Road , Songshan Dist, Taipei City 105023, Taiwan (R.O.C.)

T: +886-2-2627-5586 F: +886-2-2627-5608

www.ziprotech.com

Aluminum Nitride Ceramic Substrates Specifications

Item No: ZP-ANS47	Unit	Value	Reference
Density	g/cm ³	≥3.26	ASTM C373
Thermal Conductivity (25°C)	W/m. K	≥170	ISO/DIS 22007-2.2
Coefficient of Thermal Expansion RT ~300°C	x10 ⁻⁶ /°C	3.16	ASTM C372-94
Coefficient of Thermal Expansion RT ~500°C	x10 ⁻⁶ /°C	4.02	ASTM C372-94
Dielectric Strength	V/m	≥19	ASTM D149
Dielectric Constant at 1MHz		10	ASTM D150
Dielectric Loss at 1MHz	x10 ⁻³	3	ASTM D150
Volume Resistant	Ω-cm	≥10 ¹⁴	ASTM D257
3-Point Flexural Strength	Mpa	≥300	ASTM D150
Surface Roughness in Ra	μm	≤0.6	JIS B 0601-94
Color		Grey	

Standard Dimensions:	Standard
Dimensions	4.5" x 4.5" 4.7" x 4.7"
Dimension Tolerance	±1%
Thickness	0.38-1.0mm (fired)
Thickness Tolerance	± 10%

Country of Manufacture: Taiwan

Product Images:

