



Aluminum Based Copper Clad Laminate Main Technical Properties

Model Number:1.5W-AL-H-06

Item	Test Condition	Unit	Specification
Dielectric Thickness	/	μm	80-150
Thermal Stress	288°C No delamination, No foaming	s	120s
Pell Strength	C-96/25/65	N/mm	1.6
Break-down Voltage	DC	KV	4-6
Break-down Voltage	AC	KV	1.5-4.5
CTI	IEC60112	V	600
TG	DSC	°C	120
Surface Resistance	C-96/35/90	$M\Omega$	3×10^{13}
Volume Resistivity	C-96/35/90	$M\Omega \cdot \text{cm}$	7×10^{14}
Dielectric Constant 1MHZ	C-96/35/90	/	$\cong 4.5$
Dissipation Factor 1MHZ	C-96/35/90	/	$\cong 0.023$
Water Absorption	D-24/23	%	$\cong 0.4$
Thermal Conductivity	ASTMD5470-12	W/m.k	1.5
Flammability	UL94	/	V-0

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