

Hangzhou Hanchuang Electronics Material Co.,LTD

杭州韩创电子材料有限公司

ALUMINUM-DASE COPPER CLAD LAMINATE TESTING REPORT

Type:	1.5 1/0 1.5w	Film type:	Green film
Copper Thickness:	35 um		

No	Item	Unit	Treatment Condition	Specification	Actual Value	Judge
1	Total Thickness	mm	A	Class 1 or AABUS CPCA4105-2010 6.2.4.1	1.43~1.47	ACC
2	Thermal Conductivity	W/ (m.k)	A CPCA4105-2010	$1.0 \leq \lambda \leq 1.5$ CPCA4105-2010 6.3	1.53	ACC
3	Dielectric Layer Thickness	um	/ CPCA4105-2010	$110 \leq t \leq 130$	1165~130	ACC
4	Heat Resistance	K.m ² /W	/ CPCA4105-2010	$\leq 1.0 \times 10^{-4}$ CPCA4105-2010 6.3	0.6×10^{-4}	ACC
5	Peel Strength	N/mm	Float 288°C/10 Sec IPC-TM-650 2.4.8	≥ 1.05 CPCA4105-2010 6.3	1.3~1.8	ACC
6	Thermal Stress	Sec	Float 288°C/10 Sec IPC-TM-650 2.4.8	≥ 120 IPC-4101B 3.10.1.2	300~600	ACC
7	Glass Transition	°C	E2/105 DSC IPC- TM -650 2.4.25	AABUS CPCA 4105-2010 6.3	120	ACC
8	Bow/Twist	%	A IPC-TM-650 2.4.22.1	≤ 1.5 CPCA4105-2010 6.2.5	0.4~0.8	ACC
9	Flamm ability	---	E24/23 UL94	FV-0 CPCA 4105-2010 6.3	FV-0	ACC
10	Surface Resistivity	MΩ	E24/125 IPC-TM-650 2.5.17.1	$\geq 1.0 \times 10^4$ CPCA4105-2010 6.3	2.1×10^9	ACC
11	Volume Resistivity	MΩ.cm	E24/125 IPC-TM-650 2.5.17.1	$\geq 1.0 \times 10^6$ CPCA4105-2010 6.3	1.1×10^9	ACC
12	Dielectric Constant	1MHz Max	C40/23/50 IPC-TM-650 2.5.5.2	AABUS CPCA4105-2010 6.3	3.71	ACC
13	Loss Tangent	---	Etched/@IMHZ IPC-TM-650 2.5.5.2	AABUS CPCA4105-2010 6.3	0.011	ACC
14	Dielectric Breakdown	DC/KV	D48/50+D0.5/23 IPC-TM-650 2.5.6	≥ 3.0 CPCA4105-2010 6.3	3.2	ACC
15	Moisture Absorption	%	D24/23 IPC-TM-650 2.6.2.1	≤ 1.5 CPCA4105-2010 6.3	0.07	ACC

FINAL TESTING RESULT	<input checked="" type="checkbox"/> ACC	<input type="checkbox"/> NG	INSPECTOR:	APPROVED:
----------------------	---	-----------------------------	------------	-----------