

COPPER CLAD LAMINATE  
QUALITY TEST REPORT & CERTIFICATE

客户(Customer): ILM ELECTRONICS PRIVATE LIMITED 数量(Quantity): 903 SHEETS 订单号P/O No.: LX240318IL

型号(Type): CEM-1 Grade A1 1.6mm 35/0 规格(mm): 1030\*1230 检验日期: 2024年04月22日

Lot No	Ltem	Unit	Test Condition	Property	Actual value	Judgement
序号	检验项目	单位	检测条件	检测指标	测试值	结果
1	外观 Visuals	—	A	IPC-4101 Class A	OK	Pass
2	尺寸公差 Panel Size Tolerance	mm	A	-0 +5	-0 +3	Pass
3	方正度 Squareness	mm	A	对角线 Diagonal	≤3	Pass
4	板材厚度 Thickness	mm	A	1.6±0.13	1.57	Pass
5	抗剥离强度 Peel Strength	Kgf/cm	A	Above 1.43	1.45	Pass
6	耐焊值 Thermal Stress	Sec/秒	288°C	Above 10	35	Pass
7	铜箔检测 Copper Test	Um	IPC-TM-650	35/0	35/0	Pass
8	表面电阻 Surface Resistivity	MΩ	C96/35/90	Above ≥ 1.0×10 <sup>4</sup>	3.0×10 <sup>6</sup>	Pass
9	体积电阻 Volume Resistivity	MΩ	C96/35/90	Above ≥ 1.0×10 <sup>6</sup>	2.6×10 <sup>8</sup>	Pass
10	介电常数 Permittivity	---	C---40/23/50	Less than ≤5.4	5	Pass
11	介质损耗 Loss Tangent	---	C---40/23/50	Less than ≤ 0.03	0.026	Pass
12	吸水性 Moisture Absorption	%	D 24/23	Less than ≤ 0.5	0.3	Pass
13	自熄性 Flame Resistance	---	E 24/23	V--0 UL94	94-V0	Pass
14	玻璃化转变温度 Glass Tansion	°C	E2/105 DSC	Tg≥130 △≤3	130/2.8	Pass
检测(QA Technician):谭婉莹				审核(Check):	郭波	

