



SF201

SF201 Single side adhesiveless flexible copper clad laminate (2-layer FCCL)

FEATURES

- Excellent soldering reliability, dimensional stability and chemical resistance.
- Excellent flexibility and electrical properties.
- Halogen-free, Flammability UL94 V-0.
- Compatible with EU RoHS directive, free of Pb, Hg,Cd, Cr⁶⁺,PBB,PBDE, etc..

APPLICATIONS

Computer, mobile phone, digital camera,
VCR, flat panel display, apparatus and
instrument,automotive electronics, etc..

GENERAL PROPERTIES

性能项目 Test Item	试验处理条件 Treatment Condition	单位 Unit	性能数据 Property Data		
			IPC 标准值 Standard	典型值 Typical Value	
				SF201 0512SE	SF201 0518SR
剥离强度 Peel Strength (90°)	A 288℃,5s	N/mm	≥0.5	1.0	0.9
耐折性 (MIT 法) Folding Endurance(MIT)	R0.8×4.9N	次 Times	-	>10000	>10000
热应力 Thermal Stress	300℃,30s	-	-	无分层、无起泡 No delamination	无分层、无起泡 No delamination
尺寸稳定性 Dimensional Stability	E-0.5/150	%	±0.2	MD ±0.1	±0.1
				TD ±0.1	±0.1
耐化学性 (剥离强度保持率) Chemical Resistance	暴露化学品后 After Chemical Exposure	%	≥80	>90	>90
介电常数 (1MHz) Dielectric Constant(1MHz)	C-24/23/50	-	≤4.0	3.2	3.2
介质损耗角正切 (1MHz) Dissipation Factor (1MHz)	C-24/23/50	-	≤0.01	0.008	0.008
体积电阻率 (湿热) Volume Resistivity	C-96/35/90	MΩ-cm	≥10 ⁶	4.5×10 ⁸	5.0×10 ⁸
表面电阻 (湿热) Surface Resistance	C-96/35/90	MΩ	≥10 ⁵	3.0×10 ⁶	3.5×10 ⁶

注释 Explanations: C = 湿热处理条件 Humidity conditioning;
E = 恒温处理条件 Temperature conditioning.

