



SF201 无胶型单面挠性覆铜板

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

特点

- 优异的耐热性、尺寸稳定性和耐化学性。
- 优异的挠曲性能和电性能。
- 不含卤素，阻燃性达到UL94V-0级。
- 满足RoHS指令要求，不含铅、汞、镉、六价铬、多溴联苯、多溴联苯醚等。

应用领域

电脑、移动电话、数码相机、摄录机、平板显示、仪器仪表、汽车电子等高端电子产品中。

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..

性能表 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	N/mm	≥0.525	1.0	0.9	
	288℃,5s		≥0.525	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	288℃,20s	-	-	无分层、无起泡 No delamination	无分层、无起泡 No delamination	
尺寸稳定性 Dimensional Stability	MD TD	E-0.5/150	%	±0.2	±0.1	±0.1
					±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	M Ω -cm	≥10 ⁶	4.5×10 ⁸	5.0×10 ⁸	
表面电阻 (湿热) Surface Resistance	C-96/35/90	M Ω	≥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.

* Certified to IPC-4204/11 Copper Clad Adhesiveless Polyimide



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产品规格代码描述 Product Code Description

SF201 05 12 S E



常规产品表 SPECIFICATIONS OF STANDARD PRODUCTS

产品规格 Specifications	材料厚度 Thickness (μm)		铜箔类型 Copper Type	应用领域 Applications
	PI膜 PI film	铜箔 Copper Foil		
SF201 0512SE	12.5	12	电解铜箔 ED	马达, 数码产品等 通用连接器 Motor, digital products etc. as universal connector
SF201 0812SE	20	12	电解铜箔 ED	
SF201 1012SE	25	12	电解铜箔 ED	
SF201 0518SE	12.5	18	电解铜箔 ED	
SF201 0818SE	20	18	电解铜箔 ED	
SF201 1018SE	25	18	电解铜箔 ED	
SF201 0535SE	12.5	35	电解铜箔 ED	汽车电子等 automotive electronics etc..
SF201 0835SE	20	35	电解铜箔 ED	
SF201 1035SE	25	35	电解铜箔 ED	
SF201 1070SE	25	70	电解铜箔 ED	
SF201 2070SE	50	70	电解铜箔 ED	
SF201 0512SR	12.5	12	压延铜箔 RA	马达, 数码产品等 通用连接器 Motor, digital products etc. as universal connector
SF201 0812SR	20	12	压延铜箔 RA	
SF201 1012SR	25	12	压延铜箔 RA	
SF201 0518SR	12.5	18	压延铜箔 RA	
SF201 0818SR	20	18	压延铜箔 RA	
SF201 1018SR	25	18	压延铜箔 RA	

包装 PURCHASING INFORMATION

产品宽度250±2mm或500±2mm, 每卷50+1/-0米或100+2/-0米; 其它规格、尺寸可根据客户要求而定。
 SF201 is supplied in rolls and standard widths of 250±2mm or 500±2mm. Roll length is 50+1/-0m or 100+2/-0m. Other sizes could be available upon request.

储存条件 STORAGE CONDITION

贮存在干燥、无腐蚀气体的室内; 板材原始包装在室温条件下贮存时, 贮存期为一年。无需冷藏或冷冻条件下贮存。

Stored in the room of dryness and no corrosive gases. One year when stored in the original packaging at room temperature. The products do not require refrigeration and should not be frozen.