



# SF201 无胶型单面挠性覆铜板

SF201 Single Side Adhesiveless 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 UL94 V-0 级。
- 满足 RoHS 指令要求，不含铅、汞、镉、六价铬、多溴联苯、多溴联苯醚等环境管理物质。

## 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, Cr<sup>6+</sup>,PBB,PBDE, etc..

## 性能表 GENERAL PROPERTIES

性能项目 Test Item	测试方法 Test Method	单位 Unit	IPC 标准值* Standard	典型值 Typical Value
				SF201 1012ST
剥离强度 Peel Strength 90°	IPC-TM-650,No.2.4.9 Method A Method C	N/mm	≥0.525 ≥0.525	1.27 1.32
热应力 Thermal Stress	IPC-TM-650,No.2.4.13	-	Pass	Pass
尺寸稳定性 Dimensional Stability	IPC-TM-650,No.2.2.4 Method B	%	±0.15	MD: -0.0208 TD: -0.0278
耐化学性 Chemical Resistance	IPC-TM-650,No.2.3.2	%	≥80	>90
吸水率 Moisture Absorption	IPC-TM-650,No.2.6.2	%	≤2	1.4
体积电阻率 Volume Resistivity	IPC-TM-650,No.2.5.17	MΩ-cm	≥10 <sup>6</sup>	2.18×10 <sup>9</sup>
表面电阻 Surface Resistance	IPC-TM-650,No.2.5.17	MΩ	≥10 <sup>5</sup>	1.07×10 <sup>7</sup>
介电常数 10GHZ Dielectric Constant	IEC-61189-2-721	-	≤3.7	3.51
介电损耗 10GHZ Dissipation Factor	IEC-61189-2-721	-	≤0.01	0.0059
耐折性 (MIT 法) Folding Endurance(MIT)	JIS C 6471 R0.8×4.9N	Times	-	>5000
电气强度 Dielectric Strength	IPC-TM-650,No.2.5.6.1	V/μm	≥100	120

注释 Remarks:\* Certified to IPC-4204/25 Copper Clad Adhesiveless Polyimide

## 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。

## APPLICATIONS

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



# SF201 无胶型单面挠性覆铜板

SF201 Single Side Adhesiveless FCCL

## 产品规格代码描述 Product Code Description

SF201 05 12 S T

R – 压延铜箔 RA Copper Foil; T– 反转铜箔 RTF

S – 单面板 Single Side

铜箔厚度 Copper Foil Thickness: 12 - 12 μm; 18 - 18 μm

PI 膜厚度 PI Film Thickness: 05 -12.5 μm; 08 - 20 μm

生益无胶型 FCCL 产品编号 Shengyi Adhesiveless FCCL Designation

## 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 0512ST	12.5	12	RTF	马达, 数码产品等 通用连接器 Motor, digital products etc. as universal connector
SF201 0812ST	20	12	RTF	
SF201 1012ST	25	12	RTF	
SF201 0518ST	12.5	18	RTF	
SF201 0818ST	20	18	RTF	
SF201 1018ST	25	18	RTF	
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 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 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	
SF201 1035SR	25	35	压延铜箔 RA	

## 包装 PURCHASING INFORMATION

产品宽度250+2/-0mm或500+2/-0mm, 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 width of 250+2/-0mm or 500+2/-0mm. Roll length is 50+1/-0m or 100+2/-0m. Other sizes could be available upon request.

## 贮存条件 STORAGE CONDITION

贮存在干燥、无腐蚀气体的室内。板材以原始包装在温度5~35℃, 湿度≤75%条件下贮存时, 贮存期为一年。

Stored in dry room with humidity control and with no corrosive gases. One year when stored in the original packaging at temperature 5~35℃, humidity lower than 75%.