



SF202 无胶型双面挠性覆铜板

SF202 Double Side Adhesiveless FCCL

特点

- 优异的耐热性、尺寸稳定性和耐化学性
- 优异的机械性能和电性能.
- 不含卤素, 阻燃性达到 UL94 VTM-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

FEATURES

- Excellent soldering reliability, dimensional stability and chemical resistance
- Excellent mechanical and electrical properties .
- Halogen free, Flammability UL94 VTM-0.
- Compatible with EU RoHS directive, free of Pb,Hg,Cd, Cr⁶⁺,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
				SF202 0512DT
剥离强度 Peel Strength 90°	IPC-TM-650,No.2.4.9 Method A Method C	N/mm	≥0.525 ≥0.525	1.2 1.2
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	%	±0.2	MD: 0.0139 TD: 0.0051
耐化学性 Chemical Resistance	IPC-TM-650,No.2.3.2	%	≥80	>85
吸水率 Moisture Absorption	IPC-TM-650,No.2.6.2	%	≤3	1.3
体积电阻率 Volume Resistivity	IPC-TM-650,No.2.5.17	MΩ-cm	≥10 ⁶	4.8×10 ⁸
表面电阻 Surface Resistance	IPC-TM-650,No.2.5.17	MΩ	≥10 ⁵	1.2×10 ⁶
介电常数 1MHZ Dielectric Constant	PC-TM-650,No.2.5.5.9	-	≤3.7	3.2
介电损耗 1MHZ Dissipation Factor	PC-TM-650,No.2.5.5.9	-	≤0.01	0.007
耐折性 MIT	R0.38×4.9N,with cvl	Times	-	>2000
电气强度 Dielectric Strength	IPC-TM-650,No.2.5.6.1	V/μm	≥80	150

注释 Remarks: Certified to IPC-4204/11 Copper Clad Adhesiveless

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..



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产品规格代码描述 Product Code Description

SF202 05 12 D T

R – 压延铜箔 RA Copper Foil; T – 反转铜箔 RTF

D – 双面板 Double Side; 非 D 表示另一面铜箔厚度

If not D, it is the thickness of the other side copper foil

铜箔厚度 Copper Foil Thickness: 12 - 12 μ m; 18 - 18 μ m

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

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 (μ m)		铜箔类型 Copper Type	应用领域 Applications
	PI 膜/PI film	铜箔/Copper Foil		
SF202 *12DT	12.5,20,25	12	反转铜箔 RTF	摄像头、LCM、TP 等 Camera, LCM, TP etc.
SF202 *12DR	12.5,20,25	12	压延铜箔 RA	
SF202 *18DR	12.5,20,25,50	18	压延铜箔 RA	
SF202 *18DT	12.5,20,25,50	18	反转铜箔 RTF	电池板 Battery FPC
SF202 *35DT	12.5,20,25,50	35	反转铜箔 RTF	
SF202 *35DR	12.5,20,25,50	35	压延铜箔 RA	

新规格产品表 SPECIFICATIONS OF NEW MODELS

产品规格 Specifications	材料厚度 Thickness (μ m)		铜箔类型 Copper Type	应用领域 Applications
	PI 膜/PI film	铜箔/Copper Foil		
SF202 1003DE	25	3	电解铜箔 ED	精细线路 Fine-line
SF202 05*DR	12.5	6, 9	压延铜箔 RA	
SF202 0509DT	12.5	9	反转铜箔 RTF	
SF202 05*DT	12.5	45,50,70	反转铜箔 RTF	无线充电 Wireless Charge
SF202 10*DT	25	45,50,70	反转铜箔 RTF	
SF202 2070DT	50	70	反转铜箔 RTF	
SF202 *105DT	12.5,20,25	105	反转铜箔 RTF	
SF202 *18WT	12.5,20,25	18、50	反转铜箔 RTF	
SF202 *182T	12.5,20,25	18、70	反转铜箔 RTF	
SF202 *183T	12.5,20,25	18、105	反转铜箔 RTF	

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。SF202 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 \leq 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%.