



SF202 无胶型双面挠性覆铜板

SF202 Double 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..

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..

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	
				SF202 0512DT	SF202 1012DT
剥离强度 Peel Strength (90°)	A 288°C,5s	N/mm	≥0.525 ≥0.525	1.2 1.2	1.4 1.4
耐折性 (MIT 法) Folding Endurance(MIT)	R0.38×4.9N	次 Times	-	>80	>50
热应力 Thermal Stress	288°C, 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 E-0.5/150 TD	%	±0.2	±0.05	±0.05
				±0.05	±0.05
耐化学性 (剥离强度保持率) Chemical Resistance	暴露化学品后 After Chemical Exposure	%	≥80	>85	>85
介电常数 (1MHz) Dielectric Constant(1MHz)	C-24/23/50	-	≤4.0	3.2	3.3
介质损耗角正切 (1MHz) Dissipation Factor (1MHz)	C-24/23/50	-	≤0.01	0.007	0.008
体积电阻率 (湿热) Volume Resistivity	C-96/35/90	M Ω -cm	≥10 ⁶	4.5×10 ⁸	3.5×10 ⁸
表面电阻 (湿热) Surface Resistance	C-96/35/90	M Ω	≥10 ⁵	1.5×10 ⁶	2.0×10 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-4204/25 Copper Clad Adhesiveless,Cast and Cured Polyimide

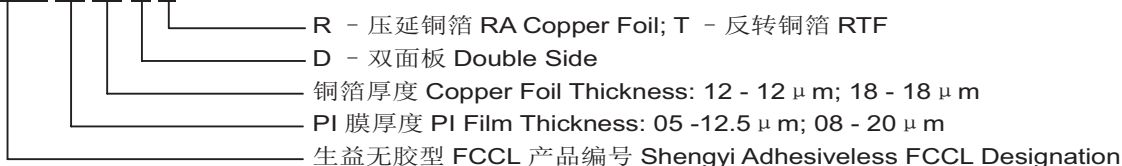


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产品规格代码描述 Product Code Description

SF202 05 12 D T



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 0512DT	12.5	12	反转铜箔 RTF	摄像头、LCM、TP 等 Camera ,LCM,TP etc.
SF202 0812DT	20	12	反转铜箔 RTF	
SF202 1012DT	25	12	反转铜箔 RTF	
SF202 0518DT	12.5	18	反转铜箔 RTF	电池板 Battery FPC
SF202 0818DT	20	18	反转铜箔 RTF	
SF202 1018DT	25	18	反转铜箔 RTF	
SF202 0512DR	12.5	12	压延铜箔 RA	摄像头、LCM、TP 等 Camera ,LCM,TP etc.
SF202 0812DR	20	12	压延铜箔 RA	
SF202 1012DR	25	12	压延铜箔 RA	
SF202 0518DR	12.5	18	压延铜箔 RA	
SF202 0818DR	20	18	压延铜箔 RA	
SF202 1018DR	25	18	压延铜箔 RA	
SF202 0535DT	12.5	35	反转铜箔 RTF	电池板 Battery FPC
SF202 1035DT	25	35	反转铜箔 RTF	
SF202 0535DR	12.5	35	压延铜箔 RA	
SF202 1035DR	25	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 0506DR	12.5	6	压延铜箔 RA	精细线路 Fine-line
SF202 0509DR	12.5	9	压延铜箔 RA	
SF202 0509DT	12.5	9	反转铜箔 RTF	
SF202 0812DR	20	12	压延铜箔 HA	侧键 Side switch
SF202 1012DR	25	12	压延铜箔 HA	
SF202 0545DT	12.5	45	反转铜箔 RTF	无线充电 Wireless Charge
SF202 1045DT	25	45	反转铜箔 RTF	
SF202 0550DT	12.5	50	反转铜箔 RTF	
SF202 1050DT	25	50	反转铜箔 RTF	
SF202 0570DT	12.5	70	反转铜箔 RTF	
SF202 1070DT	25	70	反转铜箔 RTF	
SF202 101850DT	25	18、50	反转铜箔 RTF	
SF202 101870DT	25	18、70	反转铜箔 RTF	

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。SF202 is supplied in rolls and standard width 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，板材以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。Store 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.