



SL 涂覆型 PI 无胶单面挠性覆铜板

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

FEATURES

- Excellent soldering reliability, dimensional stability and chemical resistance
- Excellent flexibility 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
				SL 0512SR
剥离强度 Peel Strength 90°	IPC-TM-650,No.2.4.9 Method A Method C	N/mm	≥0.525 ≥0.525	0.93 0.91
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: 0.0285 TD: 0.0283
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 ⁶	2.03×10 ⁹
表面电阻 Surface Resistance	IPC-TM-650,No.2.5.17	MΩ	≥10 ⁵	5.97×10 ⁵
介电常数 10GHZ Dielectric Constant	IEC-61189-2-721	-	≤3.7	3.45
介电损耗 10GHZ Dissipation Factor	IEC-61189-2-721	-	≤0.01	0.0057
耐折性 (MIT 法) Folding Endurance	R0.38×4.9N,with cvl	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..



SL 涂覆型 PI 无胶型单面挠性覆铜

SL Casting PI Adhesiveless Single Side FCCL

产品规格代码描述 Product Code Description

SL 05 12 S S

- R – 压延铜箔 RA Copper Foil; S – 电解双光铜 ED Copper Foil
- S – 单面板 Single Side
- 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; 10 - 25 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		
SL 0512SS	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
SL 0812SS	20	12	电解铜箔 ED	
SL 1012SS	25	12	电解铜箔 ED	
SL 1018SS	25	18	电解铜箔 ED	
SL 1018SR	25	18	压延铜箔 RA	马达, 数码产品等通用连接器 Motor, digital products etc. as universal connector

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。
SL 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%.