



SF230 低信号损耗改性 PI 挠性覆铜板

SF230

Low Loss MPI FCCL

特点

- 较低的介电损耗，插损接近 LCP
- 优秀的耐热性、尺寸稳定性、耐化学性及电性能。
- 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

- Low dissipation loss approach to LCP
- Excellent soldering reliability, dimensional stability, chemical resistance 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

应用领域

高速电路用挠性印制板和刚挠性印制板

APPLICATIONS

Be used in high frequency multi-layer FPC and rigid-flex PCB as the bonding lay

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
				SF230 1012DT
剥离强度 Peel Strength 90°	IPC-TM-650, No. 2.4.9 Method A Method C	N/mm	≥0.525 ≥0.525	1.36 1.47
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: 0.0149 TD: -0.0360
耐化学性 Chemical Resistance	IPC-TM-650, No. 2.3.2	%	≥80	>95
吸水率 Moisture Absorption	IPC-TM-650, No. 2.6.2	%	≤3	0.75
体积电阻率 Volume Resistivity	IPC-TM-650, No. 2.5.17	MΩ-cm	≥10 ⁶	1.23×10 ⁹
表面电阻 Surface Resistance	IPC-TM-650, No. 2.5.17	MΩ	≥10 ⁵	4.53×10 ⁶
介电常数 10GHZ Dielectric Constant	IEC-61189-2-721	-	≤3.6	3.2
介电损耗 10GHZ Dissipation Factor	IEC-61189-2-721	-	≤0.01	0.0056
耐折性 (MIT 法) Folding Endurance	R0.38×4.9N, with cvl	Times	-	>500
电气强度 Dielectric Strength	IPC-TM-650, No. 2.5.6.1	V/μm	≥80	201

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



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产品规格代码描述 Product Code Description



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
	膜 film	铜箔 Copper Foil		
SF230 1012DT	25	12	反转铜箔 RTF	手机天线、微波通信、 高速网络等设备 Smart phone antenna, Microwave communication, high speed network equipment etc.
SF230 2012DT	50	12	反转铜箔 RTF	
SF230 1018DT	25	18	反转铜箔 RTF	
SF230 2018DT	50	18	反转铜箔 RTF	
SF230 1012DR	25	12	压延铜箔 RA	
SF230 2012DR	50	12	压延铜箔 RA	
SF230 1018DR	25	18	压延铜箔 RA	
SF230 2018DR	50	18	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。SF230 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%.