



SF224 复合氟树脂挠性覆铜板

SF224 Composite fluoro-resin flexible copper clad laminate

特点

- 低介电常数，低传输损耗。
- 优秀的耐热性、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 dielectric constant, low dissipation loss.
- Excellent soldering reliability, 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..

应用领域

手机天线、微波通信、高速网络设备、传感器、高频电路板等。

APPLICATIONS

Smart phone antenna, Microwave communication, high speed network equipment, sensor, high frequency PCB, 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	
				2018DT	4012DT
剥离强度 Peel Strength 90°	IPC-TM-650, No.2.4.9 Method A Method C	N/mm	≥0.525 ≥0.525	0.7 0.7	0.7 0.7
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:-0.149 TD:-0.143	MD:-0.121 TD:-0.119
耐化学性 Chemical Resistance	IPC-TM-650, No.2.3.2	%	≥80	91	92
吸水率 Moisture Absorption	IPC-TM-650, No.2.6.2	%	≤1.0	0.22	0.18
体积电阻率 Volume Resistivity	IPC-TM-650, No.2.5.17	MΩ-cm	≥10 ⁶	4.7×10 ⁸	4.8×10 ⁸
表面电阻 Surface Resistance	IPC-TM-650, No.2.5.17	MΩ	≥10 ⁴	1.2×10 ⁵	1.8×10 ⁶
介电常数 10GHZ Dielectric Constant	IPC-TM-650, No.2.5.5.15	-	--	2.49	2.48
介电损耗 10GHZ Dissipation Factor	IPC-TM-650, No.2.5.5.15	-	--	0.0023	0.0023



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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
	复合基膜 Composite film	铜箔 Copper Foil		
SF224 2012DT	50	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.
SF224 2018DT	50	18	反转铜箔 RTF	
SF224 3012DT	75	12	反转铜箔 RTF	
SF224 3018DT	75	18	反转铜箔 RTF	
SF224 4012DT	100	12	反转铜箔 RTF	
SF224 4018DT	100	18	反转铜箔 RTF	

包装PURCHASING INFORMATION

产品以片状包装形式供货，常用片状尺寸：250mm×345mm、250mm×480mm、305mm×500mm，每包100片；其它规格、尺寸可根据客户要求而定。

SF224 is supplied in sheet packaging, Conventional sheet size: 250mm×345mm、250mm×480mm、305mm×500mm, with 100 sheets per pack. 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%.