



# SF280 低信号损耗改性 PI 挠性覆铜板

SF280 Low Loss MPI FCCL

## 特点

- 低介电常数，低传输损耗。
- 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 dielectric constant, low dissipation loss.
- 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, Cr<sup>6+</sup>, 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	
				SF280 2012DT	SF280 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	0.9 0.9	0.9 0.9
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:-0.0351 TD:-0.0270	MD:-0.0391 TD:-0.0499
耐化学性 Chemical Resistance	IPC-TM-650, No.2.3.2	%	≥80	97.6	97
耐折性 (MIT 法) Folding Endurance	R0.38×4.9N, with cvl	次 Times	-	>500	>500
吸水率 Moisture Absorption	IPC-TM-650, No.2.6.2	%	≤2	0.46	0.34
电气强度 Dielectric Strength	IPC-TM-650, No.2.5.6.1	V/μm	≥100	124.8	107.2
体积电阻率 Volume Resistivity	IPC-TM-650, No.2.5.17	MΩ-cm	≥10 <sup>6</sup>	6.97×10 <sup>8</sup>	4.51×10 <sup>8</sup>
表面电阻 Surface Resistance	IPC-TM-650, No.2.5.17	MΩ	≥10 <sup>5</sup>	5.58×10 <sup>5</sup>	1.71×10 <sup>5</sup>
介电常数 10GHZ Dielectric Constant	IEC-61189-2-721	-	≤3.7	2.92	2.92
介电损耗 10GHZ Dissipation Factor	IEC-61189-2-721	-	≤0.01	0.0031	0.0032

注释 Remarks: \* Certified to IPC-4204/25 Copper Clad Adhesiveless

## 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

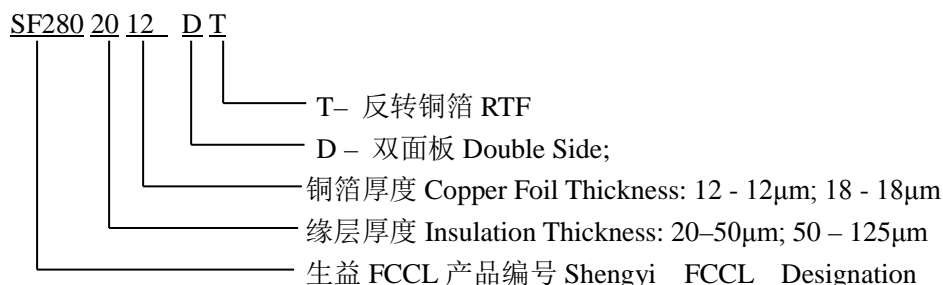
Smart phone antenna, Microwave communication, high speed network equipment, sensor, high frequency PCB, etc..



# SF280 低信号损耗改性 PI 挠性覆铜板

SF280 Low Loss MPI FCCL

## 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 (µm)		铜箔类型 Copper Type	应用领域 Applications
	膜 film	铜箔 Copper Foil		
SF280 5012 DT	125	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.
SF280 5018 DT	125	18	反转铜箔 RTF	
SF280 4012 DT	100	12	反转铜箔 RTF	
SF280 4018 DT	100	18	反转铜箔 RTF	
SF280 3012 DT	75	12	反转铜箔 RTF	
SF280 3018 DT	75	18	反转铜箔 RTF	
SF280 2012 DT	50	12	反转铜箔 RTF	
SF280 2018 DT	50	18	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。SF701 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≤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%.