

Mid Loss & Excellent Thermal Resistance
NY6180HF/NY6180HFP

特点 FEATURES:

- 高TG无卤无铅兼容 High Tg halogen-free and lead-free compatible
- 优异的剥离强度 Excellent Peel Strength
- 极低CTE Very Low CTE
- 低吸水率 Lower Water Absorption
- 卓越的尺寸稳定性 Excellent Dimension Stability

应用领域 APPLICATIONS:

- 汽车电子 Automotives
- 服务器 Server
- 通讯 Communications
- 电源 Powe

NY6180HF基板典型性能 Typical Properties for NY6180HF Laminate

属性 Property	项目 Item		测试方法 IPC-TM-650	测试条件 Test Condition	单位 Unit	典型值 Typical Value		
热性能 Thermal	玻璃态转换温度 Tg		2.4.25	DSC	℃	\		
			2.4.24	TMA	℃	220		
			2.4.24.4	DMA	℃	\		
	X/Y轴热膨胀系数CTE,X/Y-axis (2116×12)		2.4.24.5	< Tg,TMA	PPM/℃	13\13		
	Z轴热膨胀系数 Z-axis Expansion (2116×12)		2.4.24	< Tg,TMA	PPM/℃	20		
				> Tg,TMA	PPM/℃	100		
			2.4.24	50~260℃	%	1.0		
	热裂解温度 Td		2.4.24.6	TGA(5%W.L)	℃	435		
	耐热性 T288		2.4.24.1	Clad	Min	> 30		
Etched				Min	> 60			
电性能 Electrical	介电常数 DK (R/C:55%/70%)		1MHz	2.5.5.9	C-24/23/50	-	\	
			1GHz					4.42\3.97
			10GHz				SPDR method	4.36\3.91
	介质损耗 Df (R/C:55%/70%)		1MHz	2.5.5.9	C-24/23/50	-	\	
			1GHz					0.00627\0.00630
			10GHz				SPDR method	0.00632\0.00635
	体积电阻 Volume Resistivity		2.5.17.1	C-96/35/90	MΩ-cm	2.4×10 ⁹		
	表面电阻 Surface Resistivity				MΩ	1.9×10 ⁸		
	物理性能 Physical	吸水率 Water Absorption		2.6.2.1	E-1/105+D-24/23	%	0.12	
剥离强度 Peel Strength (HTE)		1oz	2.4.8	As Received	N/mm	1.0		
剥离强度 Peel Strength (RTF)		1oz				0.7		
剥离强度 Peel Strength (HVLP)		1oz				\		
弯曲强度 Flexural Strength		Warp	2.4.4	As Received	N/mm ²	600		
		Fill				500		
耐燃性 Flame Resistance			UL-94	A&E-4/125	-	V-0		