

Low CTE& Mid Tg & Lead Free Compatible NY2150/NY2150P

特点 FEATURES:

- Tg155°C 无铅兼容 Tg155°C Lead-free Compatible
- 优秀的剥离强度 Excellent Peel Strength
- 低Z-CTE值 Low Z-axis CTE
- 低的吸水率 Low Water Absorption
- 优秀的耐CAF性能 Excellent Anti-CAF Performance
- 优秀的尺寸安定性 Excellent Dimension Stability

应用领域 APPLICATIONS:

- 汽车电子 Automotive
- 消费电子 Consumer Electronics
- 仪器仪表 Instrumentations
- 通讯 Communications

NY2150基板典型性能 Typical Properties for NY2150 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	℃	155		
			2.4.24	TMA	℃	145		
			2.4.24.4	DMA	℃	\		
	X/Y轴热膨胀系数CTE,X/Y-axis		2.4.24.5	< Tg,TMA	PPM/℃	13\14		
	Z轴热膨胀系数 Z-axis		2.4.24	< Tg,TMA	PPM/℃	40		
				> Tg,TMA	PPM/℃	245		
			2.4.24	50~260℃	%	3		
	热裂解温度 Td		2.4.24.6	TGA(5%W.L)	℃	350		
	耐热性 T288		2.4.24.1	Clad	Min	30		
Etched				Min	30			
电性能 Electrical	介电常数 DK (R/C:55%/70%)		1MHz	2.5.5.9	C-24/23/50	-	4.30\3.90	
			1GHz				SPDR method	4.25\3.85
			10GHz					\
	介质损耗 Df (R/C:55%/70%)		1MHz	2.5.5.9	C-24/23/50	-	0.0147\0.0158	
			1GHz				0.0158\0.0170	
			10GHz				SPDR method	\
	体积电阻 Volume Resistivity			2.5.17.1	C-96/35/90	MΩ-cm	6.0×10 ⁸	
	表面电阻 Surface Resistivity					MΩ	3.3×10 ⁷	
	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	1.39		
剥离强度 Peel Strength (RTF)		1oz				\		
剥离强度 Peel Strength (HVLP)		1oz				\		
弯曲强度 Flexural Strength		Warp	2.4.4	As Received	N/mm ²	515		
		Fill				405		
耐燃性 Flame Resistance			UL-94	A&E-4/125	-	V-0		