

Low CTE& Normal Tg & Lead Free Compatible NY2140L

特点 FEATURES:

- Tg140°C 无铅兼容 Tg140°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:

- 消费电子 Consumer Electronics
- 仅限用于双面板 Only for double-sided boards

NY2140L基板典型性能 Typical Properties for NY2140L 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	°C	140	
			2.4.24	TMA	°C	\	
			2.4.24.4	DMA	°C	\	
	X/Y轴热膨胀系数CTE,X/Y-axis		2.4.24.5	< Tg,TMA	PPM/°C	15/17	
	Z轴热膨胀系数 Z-axis		2.4.24	< Tg,TMA	PPM/°C	50	
				> Tg,TMA	PPM/°C	260	
	热裂解温度 Td		2.4.24.6	TGA(5%W.L.)	°C	360	
	耐热性 T288		2.4.24.1	Clad	Min	30	
				Etched	Min	40	
	介电常数 DK (R/C45%)		5GHz	SPDR method	C-24/23/50	-	5.15
	介质损耗 Df (R/C45%)		5GHz	SPDR method	C-24/23/50	-	0.015
体积电阻 Volume Resistivity		2.5.17.1	C-96/35/90	MΩ-cm	5.9×10 ⁸		
表面电阻 Surface Resistivity				MΩ	3.5×10 ⁷		
物理性能 Physical	吸水率 Water Absorption		2.6.2.1	E-1/105+D-24/23	%	0.15	
	剥离强度 Peel Strength (HTE)	1oz	2.4.8	As Received	N/mm	1.2	
	剥离强度 Peel Strength (RTF)	1oz				\	
	剥离强度 Peel Strength (HVLP)	1oz				\	
	弯曲强度 Flexural Strength		Warp Fill	2.4.4	As Received	N/mm ²	515
							405
可燃性 Flame Resistance		UL-94	A&E-4/125	-	V-0		