

# Low CTE& Normal Tg & Lead Free Compatible NY2140/NY2140P

## 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
- 电源、仪器仪表 Power supplies、Instrumentations
- 通讯设备 Communication Equipment
- 汽车电子 Automotives

## NY2140基板典型性能 Typical Properties for NY2140 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	13\14	
		2.4.24	< Tg,TMA	PPM/°C	50	
	Z轴热膨胀系数 Z-axis		> Tg,TMA	PPM/°C	260	
		热裂解温度 Td	2.4.24	50~260°C	%	3.5
耐热性 T288	2.4.24.1		Clad	Min	15	
		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	-	4.20\3.80
		1GHz			-	4.15\3.70
		10GHz	SPDR method		-	\
	介质损耗 Df (R/C:55%/70%)	1MHz	2.5.5.9	C-24/23/50	-	0.0155\0.0166
		1GHz			-	0.0166\0.0178
		10GHz	SPDR method		-	\
	体积电阻 Volume Resistivity		2.5.17.1	C-96/35/90	MΩ-cm	5.5×10 <sup>8</sup>
表面电阻 Surface Resistivity		MΩ			3.0×10 <sup>7</sup>	
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	1.42
	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 <sup>2</sup>	515
		Fill				405
耐燃性 Flame Resistance		UL-94	A&E-4/125	-	V-0	