

High Performance & Mid-Tg & Lead Free Auto Used
NY-A1/NY-A1P

特点 FEATURES:

- Tg155℃ 无铅兼容 FR-4板材 Tg155℃ Lead-free Compatible
- 优秀的剥离强度 Excellent Peel Strength
- 低Z-CTE值 Low Z-axis CTE
- 优秀的耐CAF性能 Excellent Anti-CAF Performance
- UV Blocking和AOI兼容 UV Blocking/AOI Compatible
- 低的吸水率 Low Water Absorption
- 优秀的尺寸安定性 Excellent Dimension Stability

应用领域 APPLICATIONS:

- 汽车电子 Automotive(Infotainment,Safety system)

NY-A1基板典型性能 Typical Properties for NY-A1 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/℃	35
				> Tg,TMA	PPM/℃	235
			2.4.24	50~260℃	%	2.8
	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	> 60
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	-	4.30\3.90
		1GHz				4.25\3.85
		10GHz	SPDR method			\
	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	6.5×10 ⁸
	表面电阻 Surface Resistivity				MΩ	3.6×10 ⁷
物理性能 Physical	吸水率 Water Absorption		2.6.2.1	E-1/105+D-24/23	%	0.08
	剥离强度 Peel Strength (HTE)	1oz	2.4.8	As Received	N/mm	1.4
	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