

Halogen-free& High CTI & Low Z-axis CTE

NY3150HC/NY3150HCP

特点 FEATURES:

- Tg155°C 无卤无铅兼容 Tg155°C Halogen-free and Lead-free Compatible
- 低Z-CTE值 Low Z-axis CTE
- 优秀的阻燃性符合UL94 V-0要求 Excellent Flammability Resistance
- 优秀的尺寸安定性 Excellent Dimension Stability
- 优秀的耐CAF性能 Excellent Anti-CAF Performance
- 优秀的耐漏电性CTI≥600V(IEC60112方法) Excellent Tracking Resistance CTI≥600V(IEC60112 Method)

应用领域 APPLICATIONS:

- 消费电子 Consumer Electronics
- 电源 Power supplies
- 仪器仪表 Instrumentations
- 汽车电子 Automotive(Infotainment,Safety system)

NY3150HC基板典型性能 Typical Properties for NY3150HC 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℃	%	3.0		
	热裂解温度 Td		2.4.24.6	TGA(5%W.L)	℃	380		
	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	-	4.25\3.85	
			1GHz				SPDR method	4.20\3.80
			10GHz					\
	介质损耗 Df (R/C:55%/70%)		1MHz	2.5.5.9	C-24/23/50	-	0.011\0.0128	
			1GHz				0.0125\0.0135	
			10GHz				SPDR method	\
	体积电阻 Volume Resistivity			2.5.17.1	C-96/35/90	MΩ-cm	1.5×10 ⁸	
	表面电阻 Surface Resistivity					MΩ	2.0×10 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	1.3		
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	480		
		Fill				440		
耐燃性 Flame Resistance			UL-94	A&E-4/125	-	V-0		