

NY2140\NY2140P

Low CTE & Normal Tg & Lead Free Compatible

特点:

Tg140°C无铅兼容
优秀的剥离强度
低 Z-CTE 值
低的吸水率
优秀的尺寸安定性

FEATURES:

Tg 140°C Lead-free Compatible
Excellent Peel Strength
Low Z-axis CTE
Low Water Absorption
Excellent Dimension Stability

应用领域:

消费电子
电源、仪器仪表
通讯设备
汽车电子

APPLICATIONS:

Consumer Electronics
Power supplies, Instrumentations
Communication Equipment
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 > Tg,TMA	PPM/°C PPM/°C	50 260	
	轴热膨胀系数 Z-axis	2.4.24	50~260°C	%	3.5	
	热分解温度 Td	2.4.24.6	TGA(5%W.L)	°C	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%)	2.5.5.9	C-24/23/50	-	1MHz	4.20\3.80
					1GHz	4.15\3.70
					10GHz	\
	介质损耗Df(R/C:55/70%)	2.5.5.9	C-24/23/50	-	1MHz	0.0155\0.0166
					1GHz	0.0166\0.0178
					10GHz	\
	体积电阻 Volume Resistivity	2.5.17.1	C-96/35/90	MΩ-cm	5.5 × 10 ⁸	
表面电阻 Surface Resistivity	3.0 × 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)	2.4.8	As Received	N/mm	1oz	1.42
					1oz	\
					1oz	\
	弯曲强度 Flexural Strength	2.4.4	As Received	N/mm ²	Warp	515
					Fill	405
	耐燃性 Flame Resistance	UL-94	A&E-4/125	-	-	V-0

IPC-4101 Type Designation : /101