

High Tg & Ultra Low Loss & Low CTE & Halogen Free
NY6666N / NY6666NP

特点 FEATURES:

- 低介电常数和超低介质损耗 Low dielectric constant and ultra-low dielectric loss
- 高TG无卤无铅兼容 High Tg halogen-free and lead-free compatible
- 超低热膨胀系数及优异通孔可靠性 Ultra-low thermal expansion coefficient and excellent PTH reliability
- IPC规格单类型IPC-4101 /134; IPC Slash Sheets: IPC-4101 /134

应用领域 APPLICATIONS:

- 5G通讯及射频5G Communication & Radio Frequency
- 服务器及AI设备AI Server
- 高性能计算机及交换机 High performance computing & Switcher

NY6666N基板典型性能 Typical Properties for NY6666N 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	玻璃态转变温度 Tg		2.4.25	DSC	℃	/
			2.4.24	TMA	℃	200
			2.4.24.4	DMA	℃	/
	X/Y轴热膨胀系数, X/Y-axis Expansion (6*2116)		2.4.24.5	< Tg,TMA	PPM/℃	9/10
	Z轴热膨胀系数 Z-axis Expansion (6*2116)		2.4.24	< Tg,TMA	PPM/℃	43
				> Tg,TMA	PPM/℃	165
			2.4.24	50~260℃	%	1.4
	热裂解温度 Td		2.4.24.6	TGA (5%W.L)	℃	420
	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%)	1GHz	2.5.5.9	C-24/23/50	-	3.2 / 3.0
		10GHz	SPDR method			3.5 / 3.3
	介质损耗 Df (R/C:55%/70%)	1GHz	2.5.5.9		-	0.0017 / 0.0014
		10GHz	SPDR method			0.0020 / 0.0017
	体积电阻 Volume Resistivity		2.5.17.1	C-96/35/90	MΩ-cm	2.0×10 ⁹
	表面电阻 Surface Resistivity				MΩ	1.0×10 ⁸
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	0.8
	剥离强度 Peel Strength (RTF)	1oz				0.6
	剥离强度 Peel Strength (HVLP)	1oz				0.7
	弯曲强度 Flexural Strength	Warp	2.4.4	As Received	N/mm ²	490
		Fill				449
	耐燃性 Flame Resistance			UL-94	A&E-4/125	-