NOUYA

Normal Tg & High CTI Material & Conventional
NY1600/NY1600P

特点 FEATURES:

- **优秀的耐漏电起痕性 CTI > 600V（IEC60112方法）Excellent Tracking Resistance CT1>600V (IEC60112 Method)**
- **Tg135℃ FR-4板材 Tg135℃ FR-4**
- **优秀的剥离强度 Excellent Peel Strength**
- **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:

- **消费电子类 Consumer Electronics**
- **仪器仪表 Instrumentations**
- **家电产品如洗衣机、等离子电视等 Home appliances such as washing machine plasma TV, etc**

NY1600基板典型性能 Typical Properties for NY1600 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	℃	135
			2.4.24	TMA	℃	\
			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/℃	65
				> Tg,TMA	PPM/℃	310
			2.4.24	50~260℃	%	4.5
	热裂解温度 Td		2.4.24.6	TGA(5%W.L)	℃	315
	耐热性 T288		2.4.24.1	Clad	Min	2
				Etched	Min	2
电性能 Electrical	介电常数 DK (R/C:55%/70%)	1MHz	2.5.5.9	C-24/23/50	-	4.25\3.90
		1GHz				3.90\3.50
		10GHz	SPDR method			\
	介质损耗 Df (R/C:55%/70%)	1MHz	2.5.5.9	C-24/23/50		\
		1GHz			-	0.0175\0.0194
		10GHz	SPDR method			0.0191\0.0209
	体积电阻 Volume Resistivity		2.5.17.1	C-96/35/90	MΩ-cm	4.9×10^{8}
	表面电阻 Surface Resistivity				MΩ	5.8×10^{7}
物理性能 Physical	吸水率 Water Absorption		2.6.2.1	E-1/105+D-24/23	%	0.4
	剥离强度 Peel Strength (HTE)	1oz	2.4.8	As Received	N/mm	1.6
	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	600
		Fill				500
	耐燃性 Flame Resistance		UL-94	A&E-4/125	-	V-0

IPC-4101 Type Designation : /21

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