

产品编号: NY1600

Conventional FR-4.0, CTI>600V (Grade 0),
Normal Tg, UV Block/AOI Compatible

特点

- 优秀的耐漏电起痕性 CTI>600V (IEC60112 方法)
- Tg 135°C FR-4.0 板材
- 优秀的剥离强度
- UV Blocking 和 AOI 兼容
- 较低的吸水率
- 优秀的尺寸安定性

FEATURES

- Excellent Tracking Resistance CTI>600V (IEC60112Method)
- Tg 135°C FR-4.0
- Excellent Peel Strength
- UV Blocking/AOI Compatible
- Lower Water Absorption
- Excellent Dimension Stability

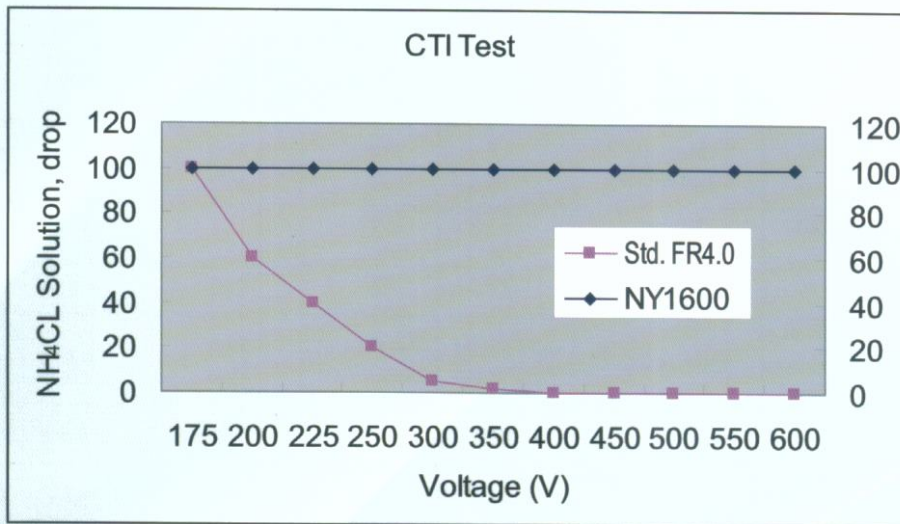
应用领域

- 消费电子类
- 仪器仪表类
- 通讯设备类

APPLICATIONS

- Consumer Electronics
- Instrumentations
- Communications, and etc.

优秀的耐漏电起痕性 Excellent Tracking Resistance CTI>600V



NY1600 采购信息 PURCHASING INFORMATION

基板厚度 Thickness	厚度公差 Tolerance	铜箔 Copper foil	标准供应尺寸 Standard Size
0.03mm to 3.2mm	IPC4101 Class C/M	1/4 oz to 6 oz	915×1220mm (36" ×48"), 1020×1220mm (40" ×48"), 1070×1220mm (42" ×48"), 1830×1220mm (72" ×48"), 2040×1220mm (80" ×48"), 2140×1220mm (84" ×48")

*其它尺寸和厚度亦可供应 Other sheet size and thickness could be available upon request.



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NY1600 基板产品规格表 Specification Sheet for Laminate

NY1600 覆铜箔板 NY1600 Laminate	单位 Units	产品规格 Specification		典型值 Typical Value	测试方法 Test Method
	Metric(English)	<0.50mm	≥ 0.50mm	1.60mm CCL	IPC-TM-650
1. 抗剥强度 Peel Strength, 收货时 As received A. 1/2 盎司及以下铜箔 17 micron copper B. 1 盎司铜箔 35 micron copper C. 2 盎司铜箔 70 micron copper D. 3,4,5 盎司及以上铜箔 105, 140, 175 micron copper and above	N/mm(lb/inch), minimum	≥ 0.79 (4.5) ≥ 1.05 (6.0) ≥ 1.40 (8.0) ≥ 1.58 (9.0)	≥ 1.05 (6.0) ≥ 1.40 (8.0) ≥ 1.93 (11.0) ≥ 2.10 (12.0)	1.60 (1oz)	2.4.8 2.4.8.2 2.4.8.3
2. 体积电阻 Volume Resistivity, A. 恒温恒湿 C-96/35/90 B. 耐湿后 After moisture resistance C. 高温下 At elevated temperature E-24/125	MΩ-cm, minimum	10 ⁶ --- 10 ³	--- 10 ⁴ 10 ³	--- 4.9×10 ⁸ 4.7×10 ⁶	2.5.17.1
3. 表面电阻 Surface Resistivity, A. 恒温恒湿 C-96/35/90 B. 耐湿后 After moisture resistance C. 高温下 At elevated temperature E-24/125	MΩ, minimum	10 ⁴ --- 10 ³	--- 10 ⁴ 10 ³	--- 5.8×10 ⁷ 5.5×10 ⁶	2.5.17.1
4. 吸水率 Moisture Absorption	% maximum	-	0.8	0.4	2.6.2.1
5. 击穿电压 Dielectric Breakdown	kV minimum	-	40	42	2.5.6
6. 介电常数 Permittivity at 1 MHz, (Laminate & Prepreg as laminated)	- maximum	<5.4	<5.4	4.6	2.5.5.3 2.5.5.5 2.5.5.6
7. 介质损耗 Loss Tangent at 1 MHz, (Laminate & Prepreg as laminated)	- maximum	<0.035	<0.035	0.016	2.5.5.3 2.5.5.3 2.5.5.9
8. 弯曲强度 Flexural Strength, A. 纵向 Length direction B. 横向 Cross direction	N/mm ² , minimum	- -	415 345	600 500	2.4.4
9. 高温弯曲强度 Flexural Strength at Elevated Temperature, length direction,	N/mm ² minimum	-	-	-	2.4.4.1
10. 耐电弧性 Arc Resistance	S minimum	60	60	120	2.5.1
11. 热应力冲击 Thermal Stress A. 未蚀刻 Unetched B. 蚀刻 Etched	10 sec at 288°C	Pass Visual Pass Visual	Pass Visual Pass Visual	Pass Pass	2.4.13.1
12. 电气强度 Electric Strength (Laminate & Prepreg as laminated)	kV/mm minimum	30	-	-	2.5.6.2
13. 燃烧性 Flammability (Laminate & Prepreg as laminated)	Rating	V-0	V-0	V-0	UL94
14. 玻璃态转化温度 Glass Transition Temperature	°C	--	≥ 130	135	2.4.24 2.4.25
15. 热分解温度 Decomposition Temperature	°C	--	--	310	TBD (5% wt loss)
16. 膨胀系数 Z-Axis CTE A. Alpha 1 B. Alpha 2 C. 50 to 260 °C	PPM/°C PPM/°C %	-- -- --	-- -- --	65 310 4.5	2.4.24
17. 耐热性 (除去铜箔) Thermal Resistance (Copper removed) A.T260 B.T288 C.T300	Minutes Minutes Minutes	-- -- --	-- -- --	13 2 --	2.4.24.1
18. 耐 CAF 性能 CAF Resistance	Pass/Fail	--	--	AABUS	2.6.25

*AABUS = 供需双方商定 As agreed upon between user and supplier.