

产品编号：NYHP-7350D

High Frequency Very Low Loss Laminate

特点:

- 低介电常数(Dk 3.50@10 GHz)
- 介质损耗(Df 0.0024@10 GHz)
- 无铅兼容板材
- 优异通孔可靠性及 PCB 加工性
- 低吸水性

应用领域:

- 功放/天线
- 微波/无线通信

FEATURES:

- Low Dk (Dk 3.50@10 GHz)
- Low Df (Df 0.0024@10 GHz)
- Lead-free compatible
- Superior PTH reliability and easy PCB processing
- Low moisture absorption

APPLICATIONS:

- Power Amplifier/Antenna
- Microwave/Wireless Communication

NYHP-7350D 基板产品规格表 Specification Sheet for Laminate

NYHP-7350D 覆铜板 NYHP-7350D Type Laminate		单位Units	典型值 Typical Value	条件 Condition	测试方法 Test Method
		Metric(English)	1.524mm CCL		IPC TM 650
1. 抗剥强度Peel Strength, As received		N/mm(lb/inch),	0. 65 (3.7)	1oz HVLP	2.4.8
2. 体积电阻 Volume Resistivity,		MΩ-cm, Minimum	1.3×10 ⁸	COND A	2.5.17.1
3. 表面电阻 Surface Resistivity,		MΩ, Minimum	5.7×10 ⁷	COND A	2.5.17.1
4. 吸水率 Moisture Absorption		% maximum	0.25		2.6.2.1
5. 介电常数 Permittivity (Laminate & Prepreg as laminated)		--- maximum	3.50	10 GHz/23℃	2.5.5.5
6. 介质损耗 Loss Tangent (Laminate & Prepreg as laminated)		--- maximum	0.0024	10 GHz/23℃	2.5.5.5
7. TCDK		PPM/℃	40	-50℃-150℃	2.5.5.5
8. 弯曲强度 Flexural Strength, A. 纵向 Length direction B. 横向 Cross direction		N/mm ² , minimum	220 140	RT	2.4.4
9. 热应力冲击 Thermal Stress A. 未蚀刻 Unetched B. 蚀刻 Etched		10 sec at 288℃	Pass Pass	288℃	2.4.13.1
10. 燃烧性 Flammability (Laminate & Prepreg as laminated)		rating	V-0		UL94 (UL File: E213990)
11. 玻璃态转化温度 Glass Transition Temperature		℃	170	DMA	2.4.24
12. 热分解温度 Decomposition Temperature		℃	400		TD (5% wt loss)
13. 膨胀系数	X/Y Axis (50-125℃)	PPM/℃	16/17	TMA	2.4.24
	Z-CTE (50 to 280 ℃)	PPM/℃	100	TMA	2.4.24
14. 耐热性(除去铜箔) Thermal Resistance (Copper removed) A.T260 B.T288 C.T300		Minutes Minutes Minutes	>120 > 60 > 60		2.4.24.1
15. 耐CAF性能 CAF Resistance		Pass/Fail	Pass	AABUS	2.6.25
16. 导热系数 Thermal Conductivity		W/m•℃	0.8		ASTM D5470

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

板材厚度与公差 The thickness & Tolerance

型号 (Model)	厚度 Thickness (mm)	厚度 Thickness (inch)	公差 Tolerance (mm)
NYHP-7350D	0.254	0.01	±0.020
	0.508	0.02	±0.038
	0.762	0.03	±0.050
	1.524	0.06	±0.075

板材尺寸 Standard Size

型号 (Model)	英寸/inch	毫米/mm
NYHP-7350D	36×48	914×1219
	42×48	1067×1219

注：可以根据客户要求的尺寸开 PNL 出货。

Remark: Other size could be available upon request.

铜箔 Copper Foil

型号 (Model)	HVLP
NYHP-7350D	Hoz
	1oz

注：Other copper spec could be available upon request