

产品编号 (Item No) : NYHP-7350

型号(Model): NYHP-7350 PA

High Frequency Very Low Loss Laminate

**特点:**

- 低介电常数(Dk 3.5@10 GHz)
- 介质损耗(Df 0.0029@10 GHz)
- Tg>200℃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/汽车雷达
- 微波/无线通讯

**FEATURES:**

- Low Dk (Dk 3.5@10 GHz )
- Low Df (Df 0.0029@10 GHz)
- Tg>200°C, Lead-free compatible
- Superior PTH reliability and easy PCB processing
- Low moisture absorption

**APPLICATIONS:**

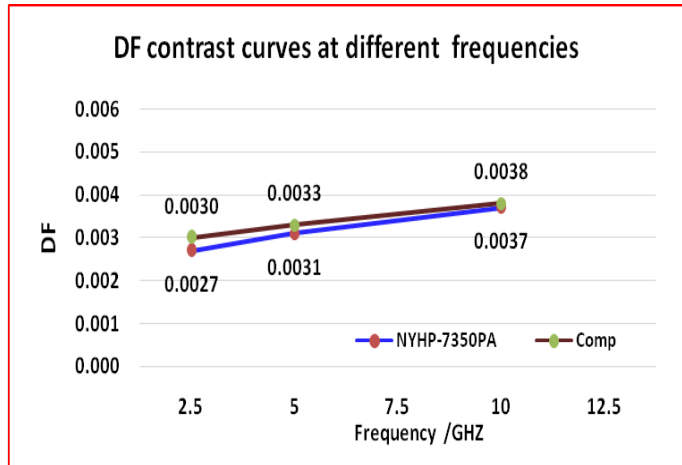
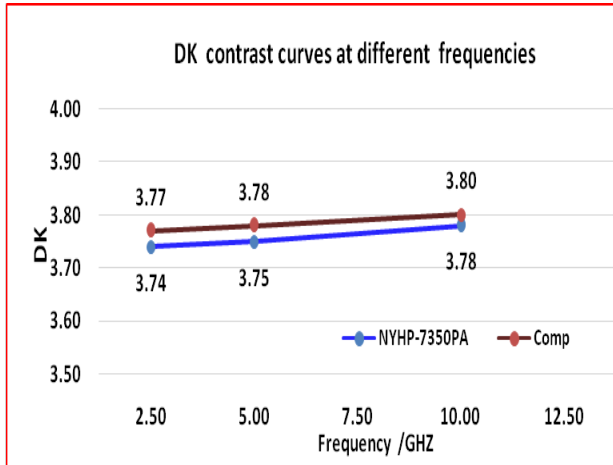
- Power Amplifier/Antenna/Automotive Radar
- Microwave/Wireless Communication

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

NYHP-7350 PA 覆铜板 NYHP-7350 PA Type Laminate	单位Units	典型值	条件	测试方法
	Metric(English)	Typical Value	Condition	Test Method
		1.524mm CCL		IPC TM 650
1. 抗剥强度 Peel Strength, As received	N/mm(lb/inch),	>1.0 (5.7)	1oz HTE	2.4.8
2. 体积电阻 Volume Resistivity,	MΩ-cm, Minimum	1.0×10 <sup>10</sup>	COND A	2.5.17.1
3. 表面电阻 Surface Resistivity,	MΩ, Minimum	5.1×10 <sup>9</sup>	COND A	2.5.17.1
4. 吸水率 Moisture Absorption	% maximum	0.08		2.6.2.1
5. 介电常数 Permittivity (Laminate & Prepreg as laminated)	--- maximum	3.5	10 GHz/23℃	2.5.5.5
6. 介质损耗 Loss Tangent (Laminate & Prepreg as laminated)	--- maximum	0.0029	10 GHz/23℃	2.5.5.5
7. TCDK	PPM/℃	48	-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 <sup>2</sup> , 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	℃	>200	DMA	2.4.24
12. 热分解温度 Decomposition Temperature	℃	400		TD (5% wt loss)
13. 膨胀系数 Z-CTE A. 50 to 280 ℃	PPM/℃	50		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•℃	0.65		ASTM D5470

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

## NYHP-7350 PA Dielectric properties at different frequencies (SPDR, 30mil substrate)



## 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-7350 PA	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-7350 PA	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)	HTE	RTF
NYHP-7350 PA	Hoz	Hoz
	1oz	1oz

注：Other copper spec could be available upon request