

## 产品编号 (Item No) : NYHP-7300

### Very Low Loss & Low Z-axis CTE

#### 特点:

- 低介电常数(Dk 2.98@10GHz)
- 介质损耗(Df 0.0025@10GHz)
- Tg >200°C 高耐热性
- 优异通孔可靠性及 PCB 加工性
- 低吸水性

#### 应用领域:

- 基站天线/CPE 天线
- 射频器件

#### FEATURES:

- Low Dk (Dk 2.98@10GHz)
- Low Df (Df 0.0025@10GHz)
- Tg >200°C and high thermostability
- Superior PTH reliability and easy PCB processing
- Low moisture absorption

#### APPLICATIONS:

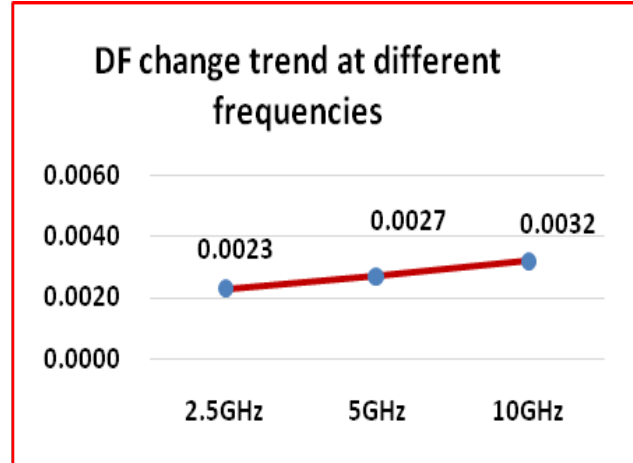
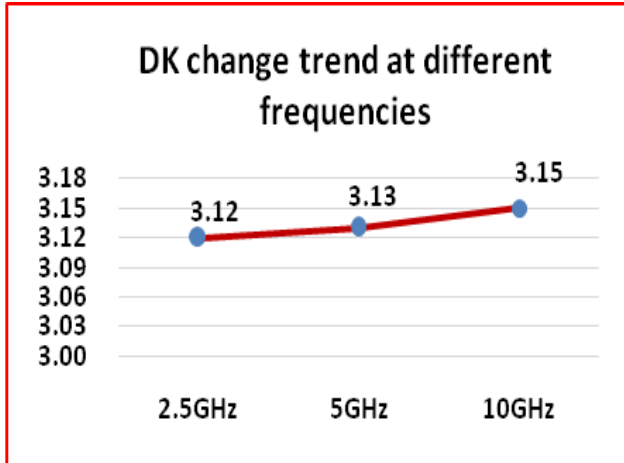
- Base Station Antenna/CPE Antenna
- RF Passive Components

### NYHP-7300 基板产品规格表 Specification Sheet for Laminate

NYHP-7300 覆铜板 NYHP-7300 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)	>1.0 (5.7)	1oz	2.4.8
2. 体积电阻 Volume Resistivity, 恒温恒湿C-96/35/90	MΩ-cm, Minimum	4×10 <sup>8</sup>	COND A	2.5.17.1
3. 表面电阻 Surface Resistivity, 恒温恒湿C-96/35/90	MΩ, Minimum	2.1×10 <sup>8</sup>	COND A	2.5.17.1
4. 吸水率 Moisture Absorption	% Maximum	0.14		2.6.2.1
5. 介电常数 Permittivity (Laminate & Prepreg as laminated)	Maximum	2.98 ± 0.05	10 GHz/23°C	2.5.5.5C
6. 介质损耗 Loss Tangent (Laminate & Prepreg as laminated)	Maximum	0.0025	10 GHz/23°C	2.5.5.5C
7. TCDK	PPM/°C	45	-50°C-150°C	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	210 155	RT	ASTM D790
9. 热应力冲击 Thermal Stress A. 未蚀刻 Unetched B. 蚀刻 Etched	10 sec at 288°C	Pass Pass	288°C	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	°C	>200	DMA	2.4.24
12. 热分解温度 Decomposition Temperature	°C	400		TD (5% wt loss)
13. 膨胀系数Z-Axis CTE A. 50 to 280 °C	%	1.6		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. PIM	dBc	≤-158		800/1800/2600 MHz

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

**NYHP-7300 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-7300	0.508	0.02	±0.038
	0.762	0.03	±0.050
	1.016	0.04	±0.075

**板材尺寸 Standard Size**

型号(Model)	英寸/inch	毫米/mm
NYHP-7300	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	HVLP
NYHP-7300	Hoz	Hoz	Hoz
	1oz	1oz	1oz

注：Other copper spec could be available upon request