

产品编号 (Item No) : NYHP-7300H

Very Low Loss & Low Z-axis CTE

特点:

- 低介电常数(Dk 2.98@10GHz)
- 介质损耗(Df 0.0015@10GHz)
- Tg >180℃ 高耐热性
- 优异通孔可靠性及 PCB 加工性
- 默认使用HVLP铜

应用领域:

- 高性能天线/基站

FEATURES:

- Low Dk (Dk 2.98@10GHz)
- Low Df (Df 0.0015@10GHz)
- Tg >180℃ and high thermostability
- Superior PTH reliability and easy PCB processing
- HVLP copper by default

APPLICATIONS:

- Hing performance Antenna/Base Station Antenna

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

NYHP-7300H 覆铜板 NYHP-7300H 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)	>0.7 (4.0)	1oz HVLP	2.4.8
2. 体积电阻 Volume Resistivity, 恒温恒湿C-96/35/90	MΩ-cm, Minimum	4×10 ⁸	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 ⁸	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	2 GHz/23℃	谐振环
	Maximum	2.98 ± 0.05	10 GHz/23℃	2.5.5.5C
6. 介质损耗 Loss Tangent (Laminate & Prepreg as laminated)	Maximum	0.0015	10 GHz/23℃	2.5.5.5C
	Maximum	0.0014	10 GHz/23℃	SPDR
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	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℃	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	℃	>180	DMA	2.4.24
12. 热分解温度 Decomposition Temperature	℃	>380		TD (5% wt loss)
13. 膨胀系数Z-Axis CTE (50-260℃) a1 (50 to 100 ℃) a2 (200 to 260 ℃)	% ppm/℃ ppm/℃	3.2 50 280		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.

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-7300H	0.254	0.01	±0.025
	0.508	0.02	±0.038
	0.762	0.03	±0.050
	1.016	0.04	±0.075
	1.524	0.06	±0.075

板材尺寸 Standard Size

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

注： Other copper spec could be available upon request