NOUYA

产品编号（Item No）：NYHP-7300MW-P

PTFE High Frequency Copper Clad Laminate

特点：

- 低介电常数(Dk 2.95@10GHz)
- 介质损耗(Df 0.0004@10GHz)
- PTFE 高频材料
- 优异通孔可靠性及 PCB 加工性
- 低吸水率

FEATURES：

- Low Dk (Dk 2.95@10GHz)
- Low Df (Df 0.0004@10GHz)
- PTFE high frequency material
- Superior PTH reliability and easy PCB processing
- Low moisture absorption

应用领域：

- 毫米波/汽车雷达应用

APPLICATIONS：

- Millimeter Wave / Automotive Radar

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

NYHP-7300MW-P 覆铜板 NYHP-7300MW-P Laminate		单位Units Metric(English)	典型值 Typical Value 1.524mm CCL	条件 Condition	测试方法 Test Method IPC-TM-650
1. 抗剥强度Peel Strength, As received		N/mm(lb/inch)	1.0 (5.7)	Hoz 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	0.04		2.6.2.1
5. 介电常数 Permittivity (Laminate & Prepreg as laminated)		Maximum	2.95 ± 0.05	10 GHz/23℃	2.5.5.5
6. 介质损耗 Loss Tangent (Laminate & Prepreg as laminated)		Maximum	0.0004	10 GHz/23℃	2.5.5.5
7. TCDK		PPM/℃	25	-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. 热分解温度 Decomposition Temperature		℃	> 500		TD (5% wt loss)
12.膨胀系数Z-Axis CTE	α1	ppm/℃	23		2.4.24
	α2		35		
13. 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
14. 耐CAF性能 CAF Resistance		Pass/Fail	Pass	AABUS	2.6.25

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