

产品编号: NYHP-7350PA(X)

型号: NYHP-7350PA(X)

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°C无卤板材
- 优异通孔可靠性及 PCB 加工性
- 低吸水性

应用领域:

- 功放/天线
- LNA/LNB

FEATURES:

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

- 汽车雷达
- 微波/无线通

NYHP-7350 PA(X) 基板产品规格表 Specification Sheet for Laminate

NYHP-7350 PA(X) 覆铜板 NYHP-7350 PA(X) Type Laminate	单位Units	典型值 Typical Value	条件 Condition	测试方法 Test Method	
	Metric(English)	1.016mm CCL		IPC TM 650	
1. 抗剥强度 Peel Strength, As received	N/mm(lb/inch),	>0.8 (4.5)	1oz RTF	2.4.8	
2. 体积电阻 Volume Resistivity,	MΩ-cm, Minimum	1.0×10 ¹⁰	COND A	2.5.17.1	
3. 表面电阻 Surface Resistivity,	MΩ, Minimum	5.1×10 ⁹	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°C	2.5.5.5	
6. 介质损耗 Loss Tangent (Laminate & Prepreg as laminated)	--- maximum	0.0029	10 GHz/23°C	2.5.5.5	
7. TCDK	PPM/°C	48	-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 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°C	Pass Pass	288°C	2.4.13.1	
10. 燃烧性 Flammability (Laminate & Prepreg as laminated)	rating	NA			
11. 玻璃态转化温度 Glass Transition Temperature	°C	>190	DMA	2.4.24	
12. 热分解温度 Decomposition Temperature	°C	400		TD (5% wt loss)	
13. CTE膨胀系数	X/Y-axis (50~125°C)	PPM/°C	19/20	TMA	2.4.24
	Z-axis (50~125°C)	PPM/°C	50	TMA	2.4.24
	Z-axis (50~260°C)	%	2.4%	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. PIM	dBc	<-158	43dBm	800/1800/2600 MHz	

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