

**产品编号 (Item No) : NYHP-7360**

**型号 (Model) : NYHP-7360**

**High Frequency Very Low Loss Laminate**

**特点:**

- 低介电常数(Dk 3.6@10 GHz)
- 介质损耗(Df 0.0063@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:**

- 天线振子
- 微波/无线通讯

**FEATURES:**

- Low Dk (Dk 3.6@10 GHz )
- Low Df (Df 0.0063@10 GHz)
- Tg>200°C, Lead-free compatible
- Superior PTH reliability and easy PCB processing
- Low moisture absorption

**APPLICATIONS:**

- Antenna Oscillator
- Microwave/Wireless Communication

**NYHP-7360 基板产品规格表 Specification Sheet for Laminate**

| NYHP-7360 覆铜板<br>NYHP-7360 Type Laminate   | 单位Units<br>Metric(English)     | 典型值<br>Typical Value<br>1.524mm CCL | 条件<br>Condition | 测试方法<br>Test Method<br>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,<br>Minimum              | 2.2×10 <sup>8</sup>                 | COND A          | 2.5.17.1                          |
| 3. 表面电阻 Surface Resistivity,   | MΩ,<br>Minimum                 | 1.1×10 <sup>8</sup>                 | COND A          | 2.5.17.1                          |
| 4. 吸水率 Moisture Absorption   | %<br>maximum                   | 0.08                                |                 | 2.6.2.1                           |
| 5. 介电常数 Permittivity<br>(Laminate & Prepreg as laminated)                          | ---<br>maximum                 | 3.6                                 | 10 GHz/23℃      | 2.5.5.5                           |
| 6. 介质损耗 Loss Tangent<br>(Laminate & Prepreg as laminated)                          | ---<br>maximum                 | 0.0063                              | 10 GHz/23℃      | 2.5.5.5                           |
| 7. TCDK  | PPM/℃                          | 48                                  | -50℃-150℃       | 2.5.5.5                           |
| 8. 弯曲强度 Flexural Strength,<br>A. 纵向 Length direction<br>B. 横向 Cross direction      | N/mm <sup>2</sup> ,<br>minimum | 220<br>140                          | RT              | 2.4.4                             |
| 9. 热应力冲击 Thermal Stress<br>A. 未蚀刻 Unetched<br>B. 蚀刻 Etched                         | 10 sec at 288℃                 | Pass<br>Pass                        | 288℃            | 2.4.13.1                          |
| 10. 燃烧性 Flammability<br>(Laminate & Prepreg as laminated)                          | rating                         | V-0                                 |                 | UL94<br>(UL File: E213990)        |
| 11. 玻璃态转化温度<br>Glass Transition Temperature  | ℃                              | >200                                | DMA             | 2.4.24                            |
| 12. 热分解温度<br>Decomposition Temperature   | ℃                              | 395                                 |                 | TD<br>(5% wt loss)                |
| 13. 膨胀系数 Z-CTE<br>After Tg / Before Tg   | PPM/℃                          | 45 / 200                            | TMA             | 2.4.41                            |
| 14. 耐热性(除去铜箔)<br>Thermal Resistance (Copper removed)<br>A.T260<br>B.T288<br>C.T300 | Minutes<br>Minutes<br>Minutes  | >120<br>> 60<br>> 60                |                 | 2.4.24.1                          |
| 15. 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.