NOUYA

# 产品编号：NY6600

## 特点：

- 低介电常数(Dk 3.90@3.5GHz，谐振环)
- 介质损耗(Df 0.004@10GHz)
- Tg >200℃ 高耐热性
- 优异通孔可靠性及 PCB 加工性

## FEATURES：

- Low Dk (Dk 3.90@3.5GHz，Ring Resonator)
- Low Df (Df 0.004@10GHz)
- Tg >200℃ and high thermostability
- Superior PTH reliability and easy PCB processing

## NY6600 基板产品规格表 Specification Sheet for Laminate

| NY6600 覆铜板<br>NY6600 Laminate | 单位 Units | 典型值<br>Typical Value | 条件<br>Condition | 测试方法<br>Test Method |
|---|---|---|---|---|
| | Metric(English) | 1.524mm CCL | | IPC-TM-650 |
| 1. 玻璃态转化温度<br>Glass Transition Temperature | ℃ | 240 | DMA | 2.4.24.4 |
| | ℃ | 220 | TMA | 2.4.24 |
| 2. 膨胀系数 Z-Axis CTE<br>A. 50 to 260 ℃ | % | 0.95 | TMA | 2.4.24 |
| 3. 膨胀系数 X/Y CTE<br>A. 50 to 125℃ | ppm/℃ | 10/10 | TMA | 2.4.24 |
| 4. 热分解温度<br>Decomposition Temperature | ℃ | 410 | | TD<br>(5% wt loss) |
| 5. 耐热性(除去铜箔)<br>Thermal Resistance (Copper removed)<br>A.T288<br>B.T300 | <br><br>Minutes<br>Minutes | <br><br>> 60<br>> 60 | TMA | 2.4.24.1 |
| 6. 介电常数 Permittivity<br>(Laminate & Prepreg as laminated) | \ | 3.90 | 3.5GHz/23℃ | Ring Resonator |
| 7. 介质损耗 Loss Tangent<br>(Laminate & Prepreg as laminated) | Maximum | 0.0040 | 10 GHz/23℃ | SPDR |
| 8. 吸水率 Moisture Absorption | %<br>maximum | 0.13 | | 2.6.2.1 |
| 9. 抗剥强度 Peel Strength, As received | N/mm(lb/inch) | 0.6 (3.5) | Hoz RTF | 2.4.8 |
| 10. 体积电阻 Volume Resistivity, | MΩ-cm,<br>Minimum | > $10\times10^{10}$ | | 2.5.17.1 |
| 11. 表面电阻 Surface Resistivity, | MΩ,<br>minimum | > $10\times10^{9}$ | | 2.5.17.1 |
| 12. 抗拉强度 Tensile strength | MPa | 210/210 (径/纬) | | GB/T 1040.1-2018 |
| 13. 弯曲强度 Flexural strength | MPa | 400/425 (径/纬) | | 2.4.4.1B |
| 14. 拉伸模量 Tensile Modulus | GPa | 18/18 (径/纬) | | GB/T 1040.1-2018 |
| 15. 泊松比 Poisson's Ratio | μb | 0.2/0.2 (径/纬) | | GB/T 1040.1-2018 |
| 16. 燃烧性 Flammability<br>( Laminate & Prepreg as laminated) | Rating | V-0 | | UL94 |

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

NOUYA

**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) |
|---|---|---|---|
| NY6600 | 0.254 | 0.01 | ±0.020 |

**板材尺寸 Standard Size**

| 型号（Model） | 英寸/inch | 毫米/mm |
|---|---|---|
| NY6600 | 36×48 | 914×1219 |
| | 40×48 | 1016×1219 |
| | 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） | RTF |
|---|---|
| NY6600 | Hoz |

**注：Other copper spec could be available upon request**