

## 产品规格书/Specification

|                 |                   |
|-----------------|-------------------|
| 产品/product:     | 银钯浆料/ Ag/Pd paste |
| 料号/Part number: | 02H-1810          |

### 适用范围/Application:

此产品适用于厚膜电路、传感器。

Suitable for chip resistor、thick film circuit electrode.

### 使用条件/Operating conditions:

|                             |  |
|-----------------------------|--|
| 基材<br>Substrate             | 氧化铝陶瓷<br>Alumina ceramic   |
| 印刷<br>Printing              | 200-300 目丝网印刷<br>200-300 mesh stainless screen   |
| 流平<br>Levelling             | 5-15min minutes at room temperature<br>室温下流平 5-15 分钟（时间根据流平的实际情况决定）。   |
| 干燥&烧结<br>Drying & Sintering | 通风烘箱烘烤 100-150℃，10-15 分钟<br>100-150℃ 10-15 min<br>隧道炉空气气氛下烧结，峰值 850℃（推荐值），10 分钟。<br>Atmospheric firing in belt furnace with peak time of 10 mins at 850℃ |
| Thinner                     | ST-1000  |

### 性能/Characteristics:

#### 1. 浆料性能/Paste Characteristics:

| 性能<br>Characteristic | 标准<br>Standard | 测试方法及条件<br>Test method and conditions   |
|----------------------|----------------|---|
| 1 Fineness           | ≤5μm           | FOG test  |
| 2 Viscosity          | 130-280Pa.s    | Brookfield HBT utility cup and spindle (SC4-14/6R), 10rpm, 25±1℃,<br><br>Brookfield HBT（博利飞）粘度计，转子 SC4-14/6R), 10rpm, 25±1℃<br>粘度可根据用户实际需要调节。 |

#### 2. 烧结后特性/Characteristics after firing:

在 1 烧结条件下，膜厚 8-12μm Check fired film produced under the conditions specified in 1 ), (Film thickness is 8-12μm.)

| 特性<br>Characteristics            | Standard<br>标准   | 测试方法和条件<br>Test method and conditions  |
|----------------------------------|------------------|--|
| 3<br>Resistivity<br>方阻           | ≤15mΩ/□          | Test pattern 0.6mm×60mm<br>测试图形 0.6mm×60mm   |
| 4<br>Adhesion<br>strength<br>附着力 |                  | Peel Test: 0.5mmφ Tin plated Cu wire soldered on 2mm×2mm Pad.<br>0.5mmφ锡浸铜线，焊接面积 2mm×2mm<br>Solder: 96.5Sn/0.5Cu Mildly activated flux used. |
|                                  | Initial<br>初始附着力 | ≥46.5N<br>焊料: 96.5Sn/0.5Cu   |
|                                  | Ageing<br>老化附着力  | ≥26.7N<br>Ageing: 150°C×24hrs<br>老化条件: 150°C, 24 小时  |

**保存条件，有效期/Storage condition and Term of validity**

产品应在 5-25°C 的环境温度下密封储存，有效期为产品发货之日起 1 年。

The product shall be guaranteed for 1 year after shipping date, keep tightly under at 5-25°C

**包装方式/Packaging method:**

标准包装，1000g/罐，样品可提供 200 克小罐包装

Standard package 1000g/can, if you need sample to test, available 200g with small package.