

产品规格书/Specification

产品/product:	银钯浆料/ Ag/Pd paste
料号/Part number:	02H-1815

适用范围/Application:

此产品适用于高温厚膜电路、LTCC 陶瓷印刷电极使用
Suitable for High-Temp thick film circuit、LTCC ceramic product electrode.

使用条件/Operating conditions:

基材 Substrate	氧化铝陶瓷 Alumina ceramic
印刷 Printing	200-300 目丝网印刷 200-300 mesh stainless screen
流平 Levelling	5-15min minutes at room temperature 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 Drying & Sintering	① 单层印刷（氧化铝板） Single layer printing(Alumina ceramic) 通风烘箱烘烤 100-150℃，10-15 分钟 100-150℃ 10-15 min 隧道炉空气气氛下烧结，峰值 850℃（推荐值），10 分钟。 Atmospheric firing in belt furnace with peak time of 10 mins at 850℃
	② 多层印刷（氧化铝生瓷） Multilayer printing(Alumina raw) 200-500℃ 温度间排胶，最少 60 分钟 Binder removing, 200-500℃，60 mins at least 隧道炉空气气氛下烧结，峰值 850℃（推荐值），2-10 小时。 (可根据实际需要调高烧结温度，但一般不超过 1050℃ 烧结) Atmospheric firing in belt furnace with peak time 2-10 hours at 850℃ (According to actual needs, can raise the temperature, but generally does not exceed 1050℃)
Thinner	ST-1000

性能/Characteristics:

1. 浆料性能/Paste Characteristics:

性能 Characteristic	标准 Standard	测试方法及条件 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℃, Brookfield HBT (博利飞) 粘度计, 转子 SC4-14/6R), 10rpm, 25±1℃

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 8-12 μ m Check fired film produced under the conditions specified in 1), (Film thickness is 8-12 μ m.)

特性 Characteristics	Standard 标准	测试方法和条件 Test method and conditions
3 Resistivity 方阻	$\leq 20\text{m}\Omega/\square$	Test pattern 0.6mm \times 60mm 测试图形 0.6mm \times 60mm
4 Adhesion strength 附着力		Peel Test: 0.5mm ϕ Tin plated Cu wire soldered on 2mm \times 2mm Pad. 0.5mm ϕ 锡浸铜线, 焊接面积 2mm \times 2mm Solder: 96.5Sn/0.5Cu Mildly activated flux used. 焊料: 96.5Sn/0.5Cu
Initial 初始附着力	$\geq 43.2\text{N}$	
Ageing 老化附着力	$\geq 24\text{N}$	Ageing: 150 $^{\circ}\text{C}\times$ 24hrs 老化条件: 150 $^{\circ}\text{C}$, 24 小时

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

产品应在 5-25 $^{\circ}\text{C}$ 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 $^{\circ}\text{C}$

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.