



## Product Specification

Product:	<b>Conductive Silver Paste</b>
Part Number:	<b>01H-5803</b>

### Application Scope :

This product is suitable for use with heating plate electrodes such as quartz glass.

### Usage Conditions :

Substrate	Quartz glass
Printing	200-300 mesh screen printing
Leveling	Let it level at room temperature for 5-15 minutes (adjust time based on actual leveling conditions).
Drying	Bake in a ventilation oven at 100-150°C for 10-15 minutes (if the baking temperature is below 300°C, the baking time may be adjusted according to actual conditions).
Firing Condition	The sintering temperature is 800°C (recommended value) and the sintering time is 9-11 minutes.
Thinner	ST-1000

### Characteristics :

#### 1. Paste Characteristics :

Characteristic				Standard	Test Method And Conditions
1	Fineness	≤5μm	FOG test		
2	Viscosity	80-280Pa.s	Brookfield HBT (Boli Fei) viscometer, rotor SC4-14/6R, 10 rpm, with adjustable viscosity at 25±1°C according to user requirements.		

#### 2. Characteristics After Curing :

Under the 1-sintering condition, the film thickness is 8-12 μm.

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

Characteristics		Standard	Test Method And Conditions
3	Resistivity	≤5mΩ/□	Test pattern 0.6mm×60mm



4	Adhesion Strength		Peel Test: 0.5mm $\varphi$ Tin plated Cu wire soldered on 2mm×2mm Pad. Solder: 96.5Sn/0.5Cu Mildly activated flux used.
	Initial Adhesion	$\geq$ 48.2N	
	Ageing Adhesion	$\geq$ 26.6N	Aging conditions: 150°C, 24 hours

**Save Conditions And Validity Period :**

The product shall be stored in a sealed container at an ambient temperature of 5-25°C, with a shelf life of 1 year from the date of shipment.

**Packaging Method :**

Standard packaging, 1000g/can; samples are available in 200g small can packaging.