

Product Specification

Product:	Silver-Palladium Paste/ Ag/Pd Paste
Part Number:	02H-1803

Application Scope :

This product is suitable for use in thick-film circuits and chip resistors.

Usage Conditions :

Substrate	Alumina ceramics
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 & Sintering	Sintering at 100-150°C for 10-15 minutes in a tunnel furnace with an air atmosphere, with a peak temperature of 850°C (recommended), for 10 minutes.
Thinner	ST-1000

Characteristics :

1. Paste Characteristics :

Characteristic	Standard	Test Method And Conditions
1 Fineness	$\leq 5\mu\text{m}$	FOG test
2 Viscosity	130-380Pa.s	Brookfield HBT (Boli Fei) viscometer, rotor model SC4-14/6R, operating at 10rpm and $25\pm 1^\circ\text{C}$, with adjustable viscosity 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 8-12 μm .)

Characteristics	Standard	Test Method And Conditions
3 Resistivity	$\leq 8\text{m}\Omega/\square$	Test pattern 0.6mm $\times$ 60mm
4 Adhesion Strength		Peel Test: 0.5mm ϕ Tin plated Cu wire soldered on 2mm $\times$ 2mm Pad. Solder: 96.5Sn/0.5Cu Mildly activated flux used.
Initial Adhesion	$\geq 46.5\text{N}$	



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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.