

Product Specification

Product:	Tungsten Paste/Wolfram Paste
Part Number:	32H-1801T

Application Scope :

This product is suitable for ceramic circuit fill.

The main features are as follows:

- ❖ The bonding strength between the sintered ceramic and the ceramic is good.
- ❖ The resistance value is small.
- ❖ It can meet the requirements of small hole filling and other processes.
- ❖ The metal particles should be well dispersed and the metallized surface should be flat.
- ❖ Suitable for 95-96% alumina ceramics, especially for metallization of dense ceramics.

Usage Conditions :

Substrate	Alumina ceramic
Printing	200-250 mesh screen printing
Leveling	Let it level at room temperature for 5-15 minutes (adjust time based on actual leveling conditions).
Drying	Furnace drying at 100-150°C for 10-15 minutes (the drying temperature should be below 230°C)
Firing Condition	The sintering temperature of hydrogen atmosphere in the tunnel furnace is 1350~17000°C (recommended value), and the peak time is 30-45 minutes.
Thinner	ST-1001

Characteristics :

1. Paste Characteristics :

Characteristic	Standard	Test Method And Conditions
1 Fineness	≤5μm	FOG test
2 Viscosity	320-630Pa.s	Brookfield HBT (Boli Fei) viscometer, rotor SC4-14/6R), 10 rpm, 25±1°C

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	$\leq 20\text{m}\Omega/\square$	Test pattern 0.6mm \times 60mm

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.