



Product Specification

Product:	Resistor Paste
Part Number:	05H06 Series

Application Scope :

This product is suitable for high-power resistors.

Usage Conditions :

Substrate	Alumina ceramics
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	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 based on actual conditions).
Firing Condition	The sintering temperature is 850±2°C (recommended value) and the sintering time is 9-11 minutes.
Thinner	ST1000 , ST1001

Characteristics :

1. Paste Characteristics :

Characteristic	Standard	Test Method And Conditions
1 Fineness	≤8μm	FOG test
2 Viscosity	100-200Pa.s	Brookfield HBT (Boli Fei) viscometer, rotor model SC4-14/6R, operating at 10rpm and 25±1°C. The viscosity can be adjusted according to the user's actual 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 Appearance	Compact and dense	Eyeballing
4 Resistivity	As below form	Standard film thickness: 10 μm
Temperature Coefficient (TCR)	As below form	HTCR 25-125°C
ESD	As below form	2000V 1s 5times

Product NO	Square Resistance (Ω/□)	Tolerance (Ω/□)	Main Compositions	TCR (ppm/°C)	ESD (%)	Firing Temp(°C)
05H06-0R206	0.2	±15%	Ag、Pd、RuO ₂	-200~+700		
05H06-1R006	1.0	±15%	Ag、Pd、RuO ₂	-200~+500		
05H06-4R006	4.0	±15%	Ag、Pd、RuO ₂			
05H06-5R006	5.0	±15%	Ag、Pd、RuO ₂			
05H06-6R006	6.0	±15%	Ag、Pd、RuO ₂			
05H06-8R006	8.0	±15%	Ag、Pd、RuO ₂			
05H06-01106	10	±15%	RuO ₂			
05H06-02106	20	±15%	RuO ₂			
05H06-05106	50	±15%	RuO ₂			
05H06-10106	100	±15%	RuO ₂			
05H06-10206	1K	±15%	Pb ₂ Ru ₂ O ₆			
05H06-10306	10K	±15%	Pb ₂ Ru ₂ O ₆			
05H06-104	100K	±15%	Pb ₂ Ru ₂ O ₆			
05H06-105	1M	±15%	Pb ₂ Ru ₂ O ₆			
05H06-106	10M	-30%	Pb ₂ Ru ₂ O ₆			

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 six months from the date of shipment.

Packaging Method :

1000g/can