

Product specification

Product:	Resistance paste
Part number:	05H06 series

Application scope :

This product is suitable for high power resistance.

Usage conditions:

Substrate	96% alumina 、 surface roughness 3-5μm
Printing	200-250 mesh screen printing
Leveling	Level at room temperature for 5-15 minutes (adjust time based on actual leveling conditions)
Drying	The baking time is 10-15 minutes at 100-150°C (the air temperature is lower than 300°C, the baking time can be decided according to the actual situation).
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, operates at 10rpm and maintains a temperature of 25±1°C. The viscosity can be adjusted according to the user's specific requirements.

2. Characteristics after curing:

Under the condition of 1 sintering, the thickness of the film 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 is 10μm.
	TCR	As below form	HTCR 25-125°C
	ESD	As below form	2000V 1s 5times

Product NO	(Ω/□)	Tolerance (Ω/□)	Main Compositions	TCR (ppm/°C)	ESD (%)	Firing Temp(°C)
05H06-0R206	0.2	±15%	Ag、Pd、RuO2	-200~+700		850
05H06-1R006	1.0	±15%	Ag、Pd、RuO2	-200~+500		
05H06-4R006	4.0	±15%	Ag、Pd、RuO2	±100	±1	
05H06-5R006	5.0	±15%	Ag、Pd、RuO2			
05H06-6R006	6.0	±15%	Ag、Pd、RuO2			
05H06-8R006	8.0	±15%	Ag、Pd、RuO2			
05H06-01106	10	±15%	RuO2			
05H06-02106	20	±15%	RuO2			
05H06-05106	50	±15%	RuO2			
05H06-10106	100	±15%	RuO2			
05H06-10206	1K	±15%	Pb2Ru2O6			
05H06-10306	10K	±15%	Pb2Ru2O6			
05H06-104	100K	±15%	Pb2Ru2O6			
05H06-105	1M	±15%	Pb2Ru2O6			
05H06-106	10M	-30%	Pb2Ru2O6	±200		

Save conditions and validity period :

The product should be stored in a sealed container at 5-25°C, with a shelf life of six months from the date of shipment.

Packaging method:

1000g/can