

**Electrical contact tips**

Silver Contact tips factory, more than 10 years manufacture experience, attained ISO9001, work on OEM and ODM projects..

**1. Introduction of Electrical contact tips**

Electrical contact tips also called a contact points, button or terminals. It is an electrical circuit component found in electrical switches, relays and breakers. It is composed of two pieces of electrically conductive metal that pass electrical current or insulate when the gap between them is closed or open. The gap must be an insulating medium of air, vacuum, oil, SF<sub>6</sub> or other electrically insulating fluid

**2. Application of Electrical contact tips**

Electrical contact tips mainly used for thermostat, wall switch , spot welding ,motor breaker ,IC lead frame ...



**3. Main Materials for Electrical contact tips**

Main face Materials: Ag, AgNi, AgCdO, AgSnO<sub>2</sub>, AgSnO<sub>2</sub>In<sub>2</sub>O<sub>3</sub>, AgZnO,

Main middle materials: Cu. Brass. steel

Main base materials: Cu, Brass, Bronze, CuSn, CuNi, CuZn, Fe, Ni, Monel SUS

Material	Composition	Hardness		Electrical	Density
Series	(%)	(Hv or HRB )		Conductivity	(g/cm <sup>3</sup> )

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				(%IACS)	
AgSnO <sub>2</sub>	Ag 88,SnO <sub>2</sub> 12	Hv	90~135	65	9.9
	Ag 87,SnO <sub>2</sub> 13	Hv	110~160	54	9.8
AgSnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub>	Ag 89,SnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub> 11	Hv	110~150	51	10
	Ag 87,SnO <sub>2</sub> In <sub>2</sub> O <sub>3</sub> 13	Hv	110~155	50	10
AgNi	Ag 70,Ni 30	Hv	85~140	70	9.5
	Ag 50,Ni 50	Hv	90~145	55	8.9
AgW	Ag 50,W 50	HRB	40~70	50	13.2
	Ag 35,W 65	HRB	65~95	45	14.5
	Ag 50,W+WC 50	HRB	45~75	50	13.2
AgWC	Ag 55,WC 45	HRB	55~85	48	12.2
	Ag 50,WC 50	HRB	70~100	45	12.1
	Ag 40,WC 60	HRB	70~100	40	12.5
AgWCC	Ag 85,WC 12,C3	Hv	50~80	55	9.3
	Ag 79,WC 18,C3	Hv	50 ~95	53	9.3
	Ag 77,WC 20,C3	Hv	55~95	51	9.5
	Ag 75,WC 22,C3	Hv	55~95	49	9.5
	Ag72,WC 24,**	Hv	60~95	45	9.7
AgC	Ag 95,C5	Hv	40~70	55	8.1
CuW	Cu 40,W 60	HRB	60~90	48	13
	Cu 35,W 65	HRB	65~95	45	13.5
	Cu 30,W 70	HRB	70~100	40	14

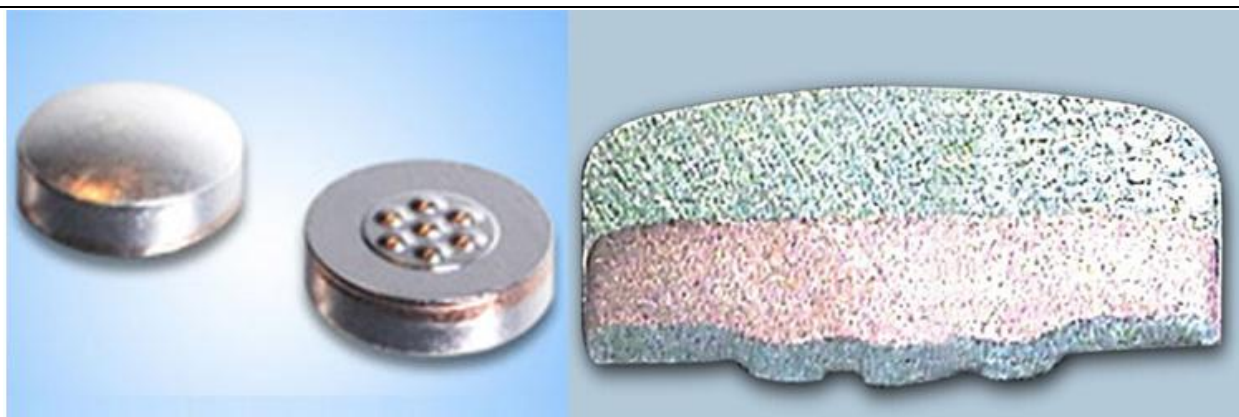
#### 4. Specification of Electrical contact tips

Dimensions can be customized as per customers requests.

Face thickness : 0.05mm - 1.5mm

Middle thickness : 0.3mm-1.0mm

Base thickness : 0.1 mm - 3.0mm

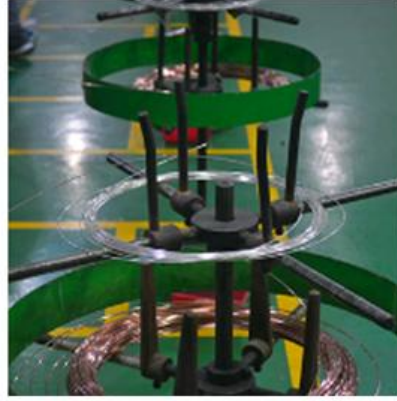


### 5. Product types for Electrical contact tips

Single metal contact points, Bimetal contact points, Tri-metal contact points, Round button contact point, square contact points.



### 6. Manufacture plant of Electrical contact tips



## 7. Quality certificate for Electrical contact tips

## Inspection Report

Part name	Electrical contact tip	Specification	18*12*3
Part No.	18123	Material	AgSnO <sub>2</sub> (10)
Nt. Weight	2.92kg	Date	2020-4-8
Material Ratio			
Ag	90%±1%	SnO <sub>2</sub>	Balance
Performance Testing Data			
Temper	H	Hardness(HB )	748
Resistivity(μΩ·cm )	2.44	Density (g/cm <sup>3</sup> )	9.98
Dimension tolerance			
Length	18±0.1	Width	12±0.1
Total Thickness	3±0.1	Fine silver thickness	0.3
Other testing items			
Appearance	Without oil,bur,crack,dent,oxide		

### 8. Packing and shipping for Electrical contact tips

#### Packing:

First put 100-1000 pcs into small plastic bags or vacuum plastic bags, then in separated small carton box, at last Into hard cardboard box.



### Shipping:

We will choose the best way according to customer's requests.

1. By Air, to the indicated airport.
2. By Express (FedEx, UPS, DHL, TNT, EMS), to the indicated address.
2. By Sea, to the indicated sea port.



## 9. FAQ

### Q1. Can you help customers for designing products?

A1. We can help customers to design the best products to achieve both good function and costs saving according to their application.

### Q2. Can you help us to choose suitable material?

A2. We can recommend the most suitable material according to your application.

### Q3. What kind of electrical contact material you can provide?

A3. We can provide fine silver(Ag) , AgNi, AgCdO, AgSnO<sub>2</sub>, AgZnO, AgSnO<sub>2</sub>In<sub>2</sub>O<sub>3</sub>, AgC , AgWC , AgW , CuW etc

### Q4. Can you provide free samples?

A4. If we have the right or similar sizes in stock, we can send you for free.

### Q5. How do you control quality?

A5. We produce strictly according to customer's drawings and requests, here are strict control plan in every process, full check of each parts, strive to provide customer 100% quality products, ROHS/SGS test report, material certificate are available.