



Ceramic Heating Element For Weller Soldering Iron

Ceramic Heating Element For Weller Soldering Iron were developed based on ceramic lamination technologies, which are mainly used for automotive and various industrial applications such as soldering iron, kerosene & gas equipment, pellet burner and water heating.

Model:7788

Ceramic Heating Element For Weller Soldering Iron

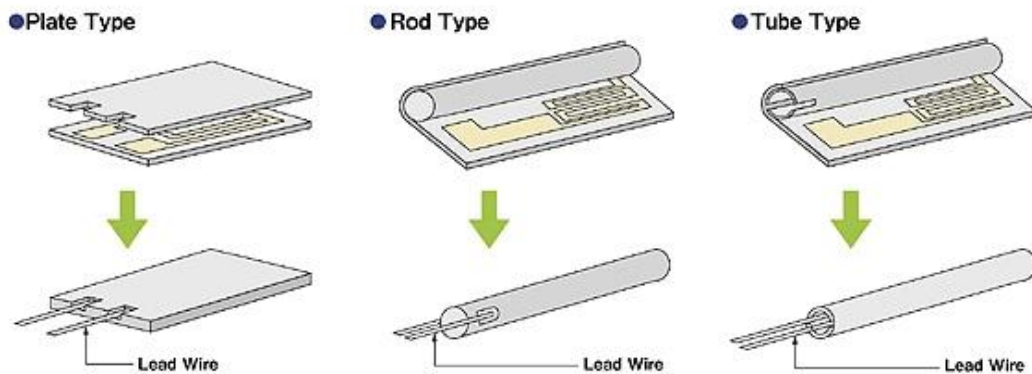
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Process of Ceramic Heating Element For Weller Soldering Iron

First, painting the high melting point metal (tungsten or molybdenum manganese) paste on to the Al₂O₃ casting briquette in coordinate to the circuit design, then another layer of sintering additives. After that, repeating the process to build multiple layers. Then, they are sintered together under 1600 °C hydrogen gas environment. Finally, nickel leads are brazed at 800 °C onto the metal end and put on with Teflon sleeve, which make it a MCH heating element.

Internal Heating elements are protected from oxidation due to sintering into one-piece ceramic body structure.



Parameter of Ceramic Heating Element For Weller Soldering Iron

| Configuration and Dimension | | | | | | | |
|-----------------------------|-------------|-----------------------------------|-----------|-------------------------------|---------------|---------------------------|----------------------|
| Shape | Dimension | Tolerance | | Tolerance | | Tolerance | Resistance Tolerance |
| Plate | Length (mm) | | Width(mm) | | Thickness(mm) | | |
| | 10~120 | ① ≤20+/-0.3 ② ≥20+/-1 | 2~60 | ① ≤20+/-0.3 ② ≥20+/-1 | 0.55~2.0 | ① ≤1+/-0.1 ② ≥1+/-0.15 | +/-10% |
| | length | | Diameter | | | | |
| Rod | 8~121 | ① ≥30mm+/-0.5 ② 30~100mm+/-1.0 | 2.5~8 | ① ≥5mm+/-0.1 ② 5~9mm+/-0.2 | | | +/-10% |
| Tube | 8~121 | ③ ≤100mm+/-1.5 | 2.5~20 | ③ ≤9mm+/-0.3 | | | +/-10% |

Application

Electronic cigarette, vaporizers, coffee machine, Intelligent toilet, instant electric kettle, instant water heater, intelligent basin faucet; hair straightener, hair curler, car exhaust oxide sensor, heating for industry device, ultrasonic heating element, mold heater, medical equipment heater ,air heater, small household appliances, etc.....

Packing and Delivery

The suitable packing should be taken to avoid the breakage and contamination during the shipment.



Fast International Express Delivery such as DHL,TNT,FEDEX, UPS ect.



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Products

- Soldering Heating Element
- Oxygen Sensor Heating Element
- Instant Water Heating Element
- Ceramic Heating Plates
- Ceramic Pellet Igniter
- Quartz Crystal Igniter
- Battery Operated Heater
- Aluminum Nitride Substrate

New Products

- Plate-Type Heating Core For Automotive O Air-fuel Oxygen Sensor
- Alumina Ceramic Heating Plate For Hair Straightener
- Ceramic Water Heater Element For Toilet Seat
- Planar Oxygen Sensor Ceramic Heating Elements
- Micro 100w Ceramic Heating Element
- All new products

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Handling and notice of using ceramic heater

- ①Don't put excess strength to Ni-wire and brazing area..If Ni wires were bent many times, power concentration points will become brittle. Crack even breakage may happen. If pulled Ni wires with excess power, brazing area will be peeled off.
- ②Don't use the ceramic heater for medical, nuclear and aero purpose.
- ③Setting notice of ceramic heater.
- ④Turn off the power supply so as not to reach the ignition point of utilizing components by using thermal fuse and etc. It has possibility of making fire caused by rapid rising temperature on the heater due to the factor of breaking sensor and etc.

For the sake of each customer's responsibility, please make some countermeasure such as turning off the power in case of extreme rapid rising the temperature.