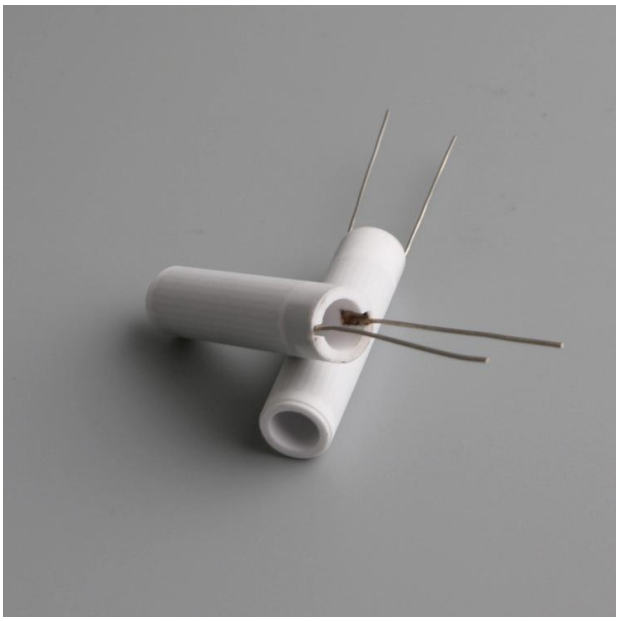

Micro Ceramic Heating Element

Micro Ceramic Heating Element 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:GN3895TA internal lead

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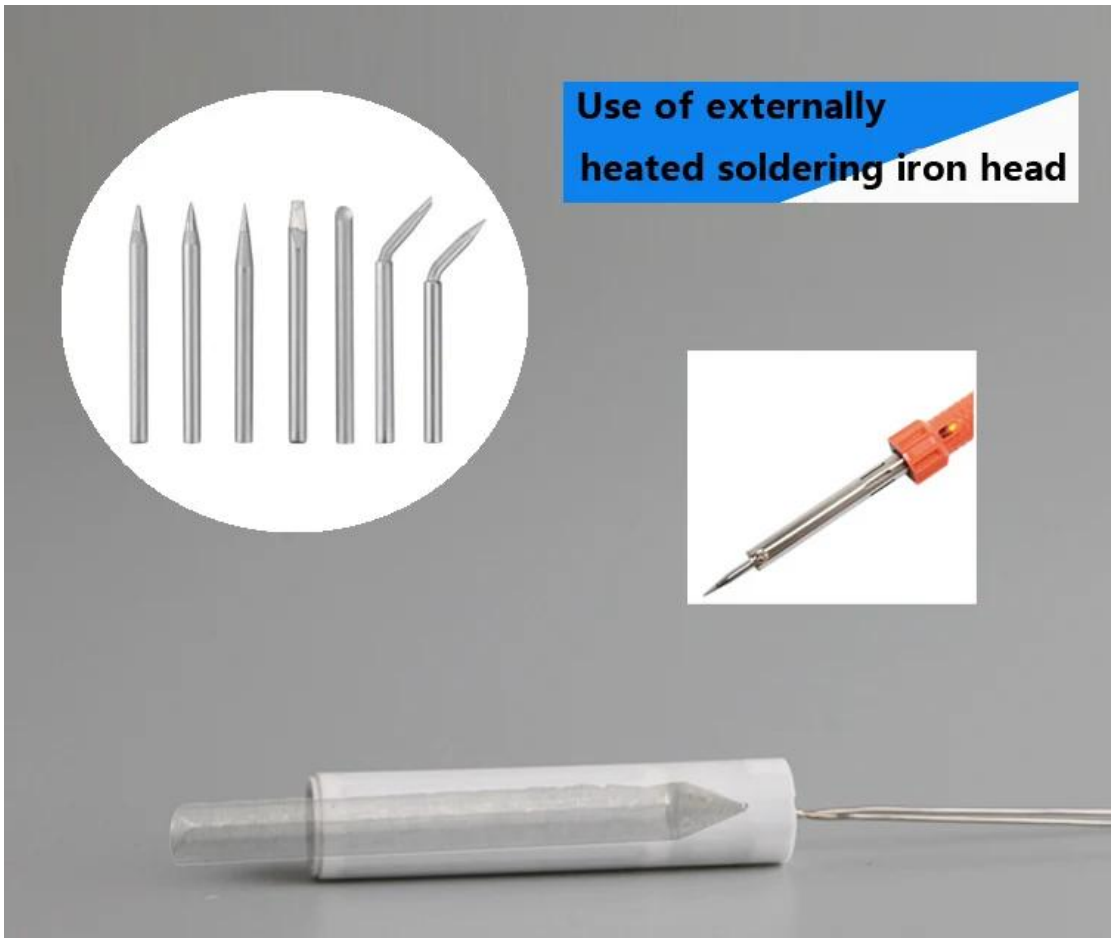
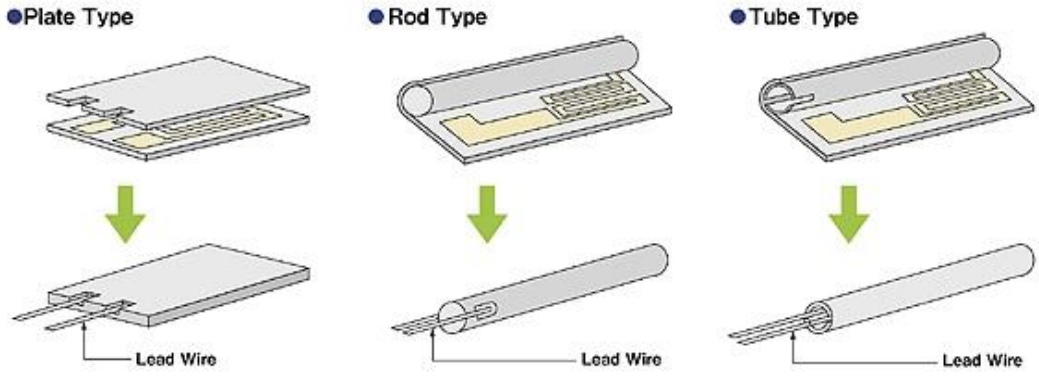


Process of Micro Ceramic Heating Element

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.



Material Properties of Micro Ceramic Heating Element

Thermal Properties

Item	Unit	Alumina Heater
Max Working Temperature	℃	1050
Working Temperature	℃	1050
Thermal Conductivity	W/（m.k)	21
Specific Heat	J/(kg.k)	0.78*103
Expansion	/℃(40~800℃)	0.78*10-6
Hardness (load 500g)	Gpa	13.5
Flexural	Mpa	320

Parameter of Micro Ceramic Heating Element

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:+/-0.5 ②30~100mm:+/-1.0 ③≤100mm~:+/-1.5	2.5~8	①≥5mm:+/-0.1 ②5~9mm:+/-0.2 ③≤9mm~:+/-0.3			+/-10%
Tube	8~121		2.5~20				+/-10%

Heater Name	**Micro Ceramic Heating Element** for Soldering Iron
Working Voltage	220V
Working Power	100W+/-10% or Customization
Dimension	Already Models or Customization
Heating Resistance	Already Models or Customization
Leads	Nickel wires from Heater Inside wall
Working Temperature	400~800℃
Insulation Sleeve	Accordingly

Advantage

1.Factory outlets
2. Easy to install
3. Durable: 13months guarantee
4. ODM and OEM services
5. Lead,Hg free ,Eco-friendly
6. Durable, applied and secure
7. Best after-sale service: Over 60% products are sold to the Southeast Asia, Middle East and Europe, and all products are trusted by domestic and foreign customers.

FAQ

If we have some other product requirements that your page don't include, can you help to supply?
Yes ,we can,You can send us your requirements then we can study if we can produce,if not we can be your China source agent.

What is the list of certificates you holds?
ISO 9001:2008,Rohs and Reach ect.