



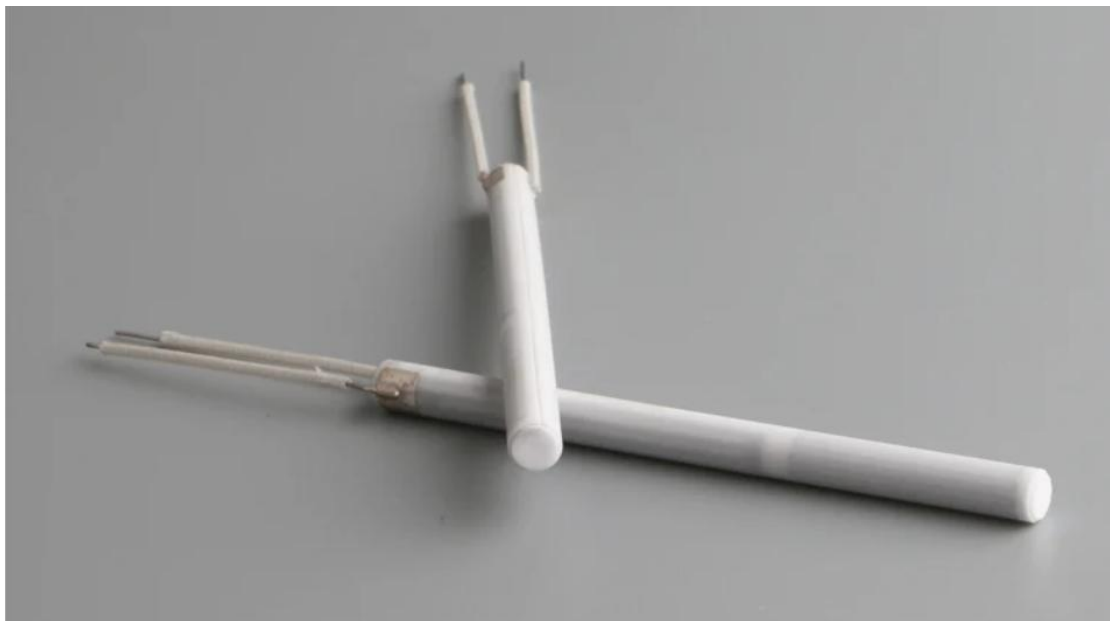
100W Soldering Iron Heating Element

100W Soldering Iron Heating Element is Alumina heater produced by implementing ceramic lamination processes. Due to the compactness, high power and rapid heating speed. Ceramic Heater can provide higher reliability than ever before. Mainly applications include use as innovative types of heaters in the automotive, medical and semiconductor industries.

Model:E7955TEA

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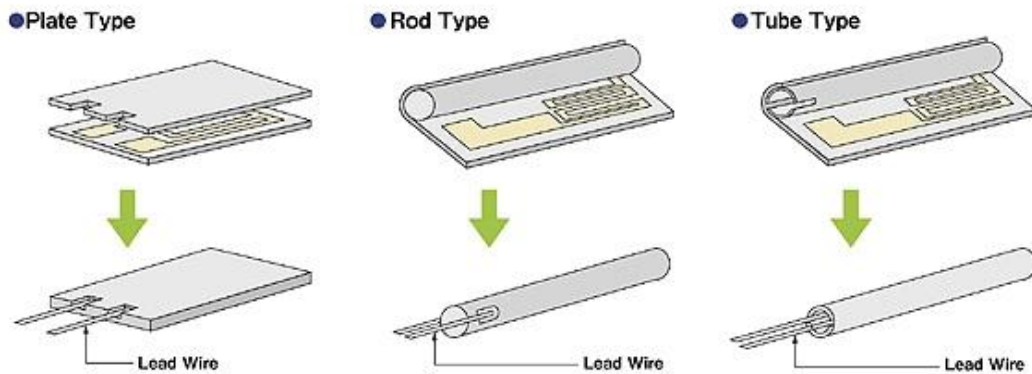
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Process of 100W Soldering Iron Heating Element

First, painting the high melting point metal (tungsten or molybdenum manganese) paste on to the Al_2O_3 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 $1600^{\circ}C$ hydrogen gas environment. Finally, nickel leads are brazed at $800^{\circ}C$ 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 limitation of alumina 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 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%

Advantages

1. We have two factories of 4400 square meters and totally 200 employees
2. Heater Element main application: cordless soldering iron, soldering station; high power soldering tools; water heating, pellet burner igniters, automobile oxygen sensors and kinds of customized molds heating.
3. Richer Experience: We were founded in 2007. Up to now, Our products have been exported to more than 40 countries, such as Russia, Australia, USA, UK, Germany, Ukraine, Iran, Romania, etc, so we can provide high service to our clients.
4. Higher Quality: We have a professional team with technical knowledge and managerial experience. Our company has been through professional quality system certification, CE certification, SGS audit, and as a member of the China national resources recycling association. So that we can guarantee the best quality of our products.