



A1321 Soldering Ceramic Heating Element

GRWAY is a professional MCH A1321 Soldering Ceramic Heating Element manufacturer and supplier in China. We have been specialized in heating element solutions more than 10 years. Besides our existing heating elements, we also provide customized heating element solutions and services to meet customer different needs according to customers' drawings or samples under the assistance of our own R&D team.

Model:E6038FAA

Process of A1321 Ceramic soldering Heating Element

A1321 Soldering Ceramic Heating Element produced by implementing ceramic lamination processes. Due to the compactness, high power and rapid heating speed. Ceramic Heating element can provide higher reliability than ever before.



Main materials of A1321 Ceramic soldering Heating Element

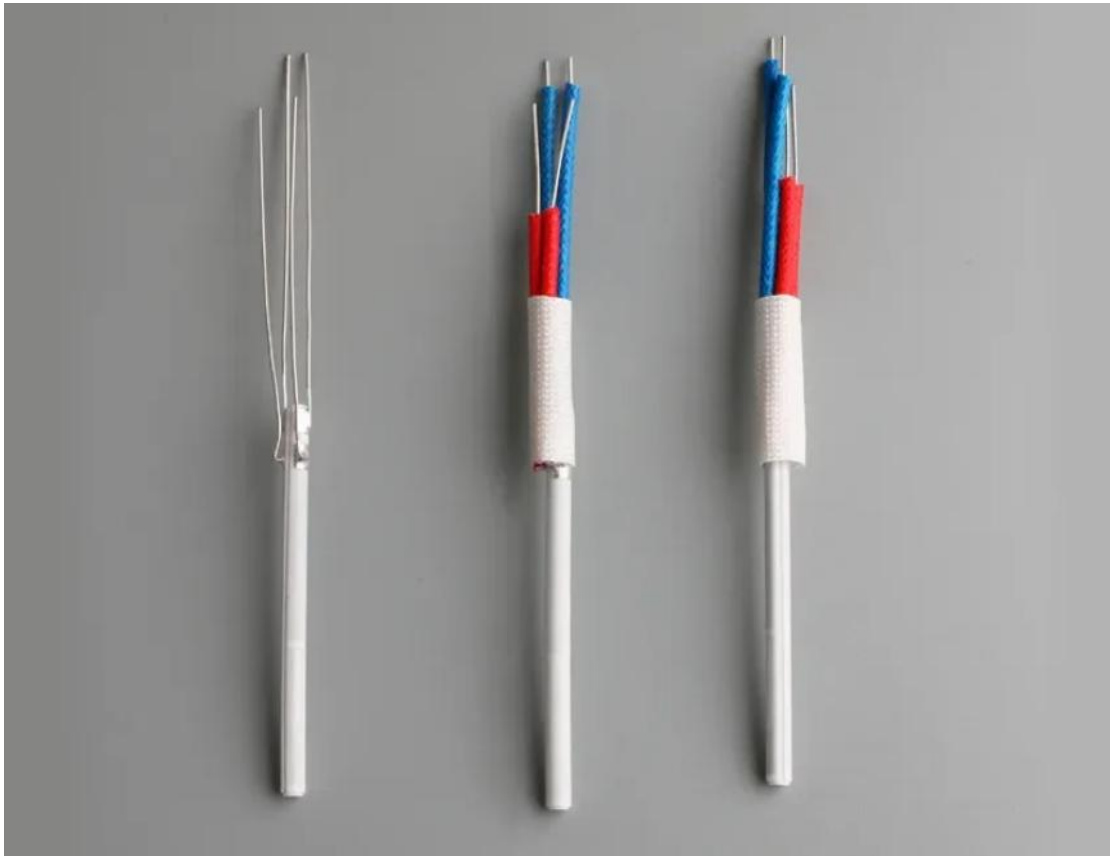
Heater body: white alumina ceramic, and the content of alumina is no less than 95%.

Ni-wires: N6 Ni-wires with 0.6mm diameter.

Brazing material: Ag72Cu28

Material Properties of A1321 Ceramic soldering Heating Element

Item	Inspection Condition	Unit	Standard
Color			White
Density		g/cm ³	3.7
Water absorption		%	0
Average grain size		μm	3~5
Hardness	Load 4.9N 4.9N	GPa	≥15
Flexural strength		MPa	≥274
Linear expansion coefficient	20~500℃	1×10 ⁻⁶ mm/℃	6.5~7.5
	20~800℃		6.5~8.0
Thermal conductivity	20℃	W/(m·K)	≥20.9
Specific heat		kJ/(kg·K)	≥0.8
Insulation strength		KV/mm	≥12
Volume resistivity	20℃	Ohm.cm	≥1014
	300℃		≥1011
	500℃		≥109
Permittivity	1MHz		9~10
Dielectric loss tangent	1MHz		≤3×10 ⁻⁴
Surface roughness		μm	0.3~0.8



Parameter of A1321 Ceramic Soldering Heating Element

Heater Name	A1321 Ceramic Heating Element
Working Voltage	24V
Working Power	50W+/-10%
Dimension	Length 60mm* diameter 3.8mm
Heating Resistance	3 ohm+/-10%
Sensor Resistance	50ohm+/-10%
Application	HAKKO 936 soldering Station
Leads	Nickel wires
Working Temperature	400~500℃
Insulation Sleeve	Accordingly

Detailed dimension of A1321 Ceramic Soldering Heating Element

