



Micro 100w Ceramic Heating Element

Micro 100W Ceramic Heating Element 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:E3035TA

Material Properties of MCH Micro 100W Ceramic Heating Element

Thermal Properties

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

Features of micro 100W Ceramic Heating Element

It is a new type of high efficient heating elements, which can save more than 20%-30% power effect compare to PTC ceramic heaters. Our alumina ceramic heating elements have many excellent features:

- High power density, excellent thermal efficiency
- Rapid heating, non-hot spot temperature distribution
- High temperature, small size, light weight
- Excellent insulation (the leakage current is < 0.5 mA under voltage 4500V/1S testing with no breakdown)
- High reliability, stable resistance, no electric noise
- Good chemical resistance
- full compliance with EU RoHS (no lead, cadmium, mercury, hexavalent chromium, PCBS, and other harmful substances)
- No charge on surface and safe to touch.

Parameter of Micro 100W Ceramic Heating Element

Heater Name	Mirco 100W Ceramic Heating Element
Working Voltage	24V &120V
Model	E3035
Working Power	100W
Dimension	30mm long*OD3.5mm OR Customization
Resistance	Accordingly
Leads	Nickel wires
Working Temperature	400~500°C
Insulation Sleeve	Accordingly
Heater body	Two small inner holes for thermocouple design

Contact us for more detailed information.

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Application

Micro 100W Ceramic Heating Elements are widely used in all kinds of applications nowadays, such as: intelligent bidet seat, electric water heater, medical machine, dryer, electric heating splint, electric iron, vacuum flask, electric cooker, electric bonder, capper, UTR cylinder condensation-proofer, IR physiotherapy equipment, intravenous injection heating, quick food heating, mini thermostatic bath for special crystal parts, automatic exhaust oxidation sensors, industrial equipment heater, and small heating appliance, etc.