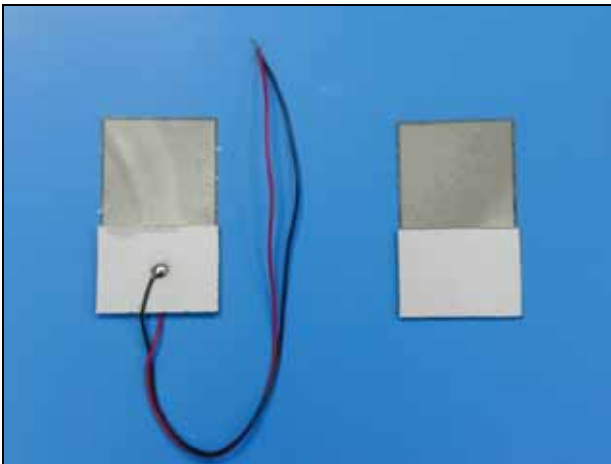


Ultrasonic Vibration Micro Nozzle



The ultrasonic vibration micro nozzle consists of a piezoelectric ceramic and a metal foil, on which over thousands micro nozzles are formed. Using the same principle incorporated in inkjet printer, this transducer atomizes water or liquids through a matrix of micro holes of around 7-10 μm . The micro nozzle transducer uses a siphon principle to draw small amounts of liquids to the surface of metal and then atomize it more efficiently than the conventional ultrasonic atomizer.

Features

- Fine and consistent misted particle size
- Adjustable misted particle size
- No loaded liquids require as comparing with conventional atomizers
- High atomizing efficiency
- Less power consumption
- High stability and durability

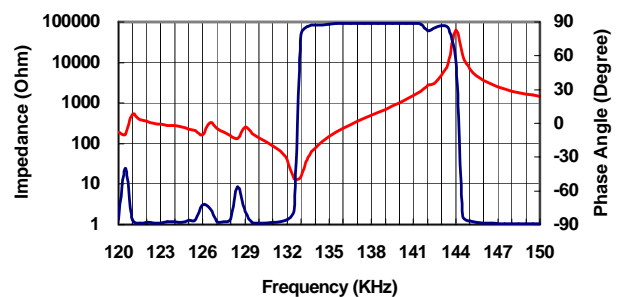
Applications

- Humidification in refrigerated food displays and storage, living environments, and air conditioning plants.
- Inhalation and disinfecting equipment
- Humidification in industrial process control for lubrication, coating and etc.
- Liquids dispensing systems

Specification:

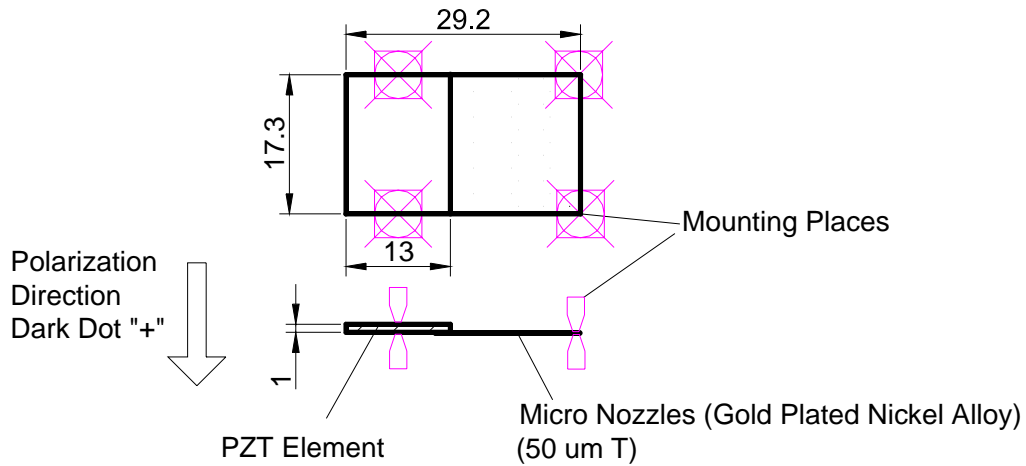
Model Number	M2313500
Resonant Frequency	135.0 \pm 5KHz
Impedance	10 Ohm typ.
Capacitance	2450 \pm 20% pF
Dimensions	L: 29.20 mm W: 17.35 mm T: 1.0 mm (PZT Element) t: 50 μm (Metal)
Metal Material	Ni-Co Alloy
Nozzle size	7 – 10 μm

Impedance/Phase Angle:

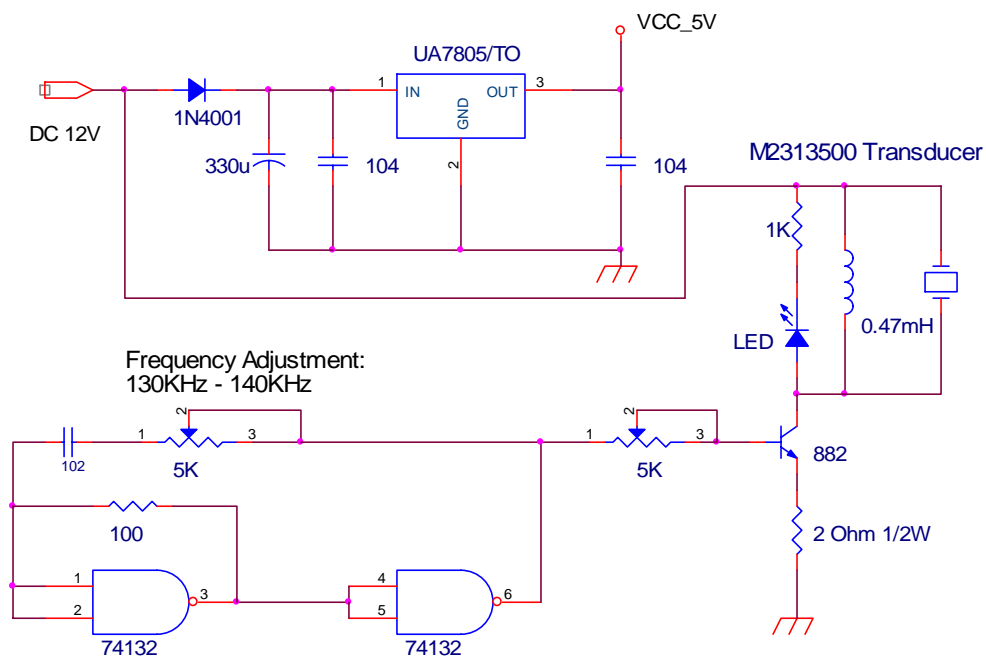


Micro Nozzles Ultrasonic Atomizing Transducers

Construction:



Driving Circuit:



Remark: The negative side faces to the opening, the positive side faces to the liquid source, if driving circuit uses NPN transistor.