

## 1 Scope

The ultrasonic atomizing transducers using our factory made high Q hard type piezoelectric ceramic element is ideal for atomizing liquids. A very fine mist having a particle diameter of only a few microns can be generated. We are not only supply atomizing element but also entire assembled transducer unit with silicone rubber holder.

## 2 Part Number

M165D25-2 Ultrasonic Atomizing Transducers

## 3 Dimension

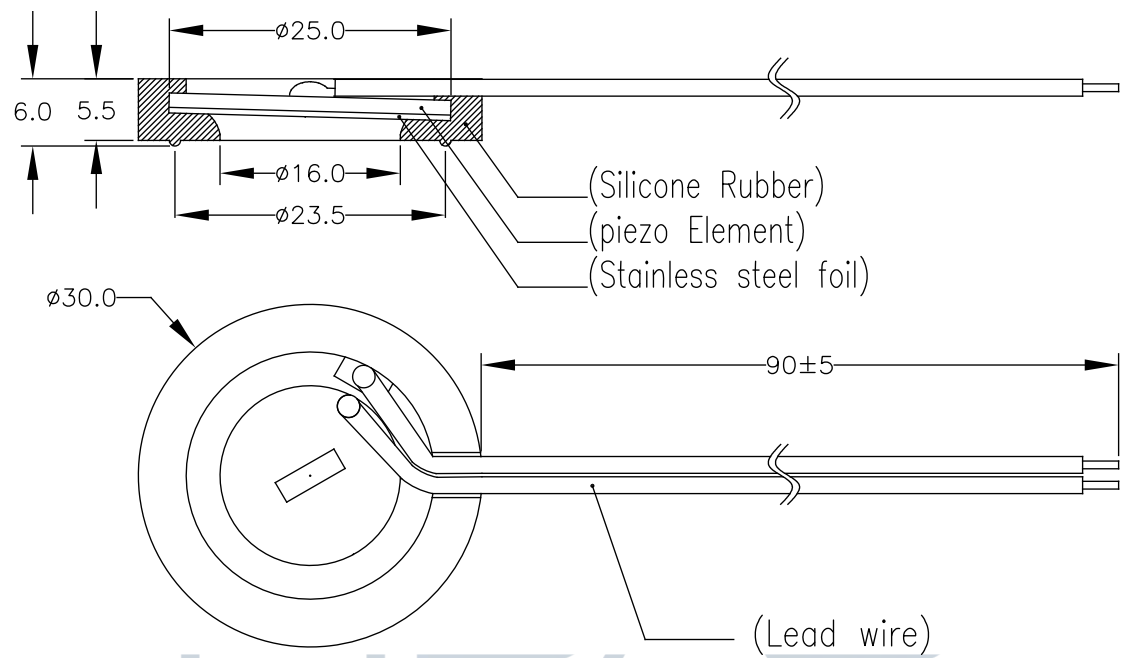
As per Figure 1

## 4 Specification

(rated at temperature  $25\pm3^{\circ}\text{C}$ , 45 to 60% RH, unless otherwise noted)

	Items	Specification	Remarks
4-1	Resonance Frequency	1.65MHz	$\pm 0.05\text{MHz}$
4-2	Resonance Impedance	$<2.0\Omega$	
4-3	Capacitance	2000pF	$\pm 20\%$ , measured at 1KHz
4-4	Dissipation Factor	$<0.5\%$	measured at 1KHz
4-5	Atomizing Quantity	400cc/hr	
4-6	Input Power	30Watt	maximum
4-7	Operation Duration	$>5000\text{Hour}$	
4-8	Operation Temperature	$0^{\circ}\text{C}$ to $+45^{\circ}\text{C}$	

**Dimensions: unit mm**



**Figure 1**

DESIGN • MANUFACTURE • SUPPLY