

1Mhz Ultrasonic Liquid Flow Transducer Technique Data Sheet



MIC METERING (SHENZHEN) LIMITED

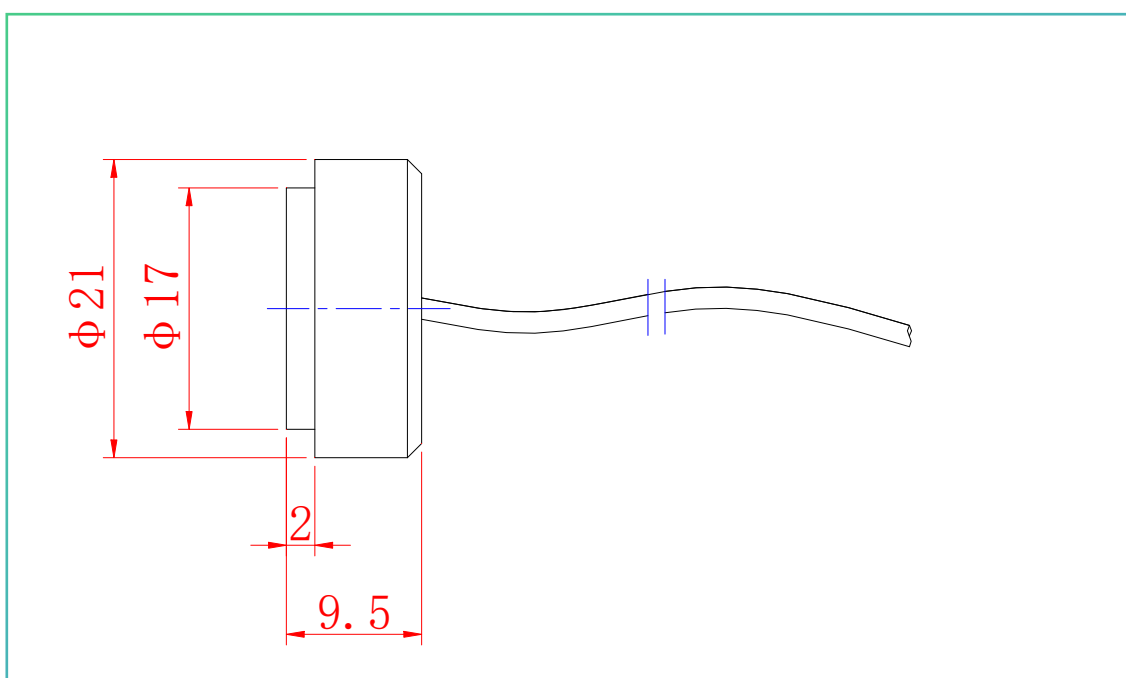


I: Parameters

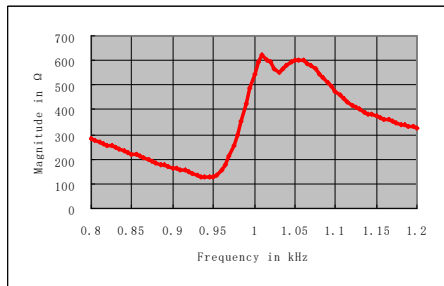
Name	Liquid transducer
Model	LF1000K1
Piezo frequency f(kHz)	0.98MHz $\pm$ 2%
Transducer frequency (kHz)	0.98MHz $\pm$ 3%
Frequency tolerance of pairs	< 30KHz
Bandwidth Δ f(Underwater)	$\pm$ 10%
Aftershock wave	< 30 μ s
Sensitivity(V) (0dB=3Vp-p 8pulses L=85mm)	>1.2V
Beam angle $^{\circ}$ (-3dB)	6 $^{\circ}$
Static capacity(pf)	1200PF $\pm$ 20%
Resistance Z(Ω)	200 Ω $\pm$ 30%
Work voltage	3V
Work temperature($^{\circ}$ C)	4~+50 $^{\circ}$ C

Storage temperature(°C)	-30~+80°C
Protection class	IP68
Material	PPS
cable	Two core wires 40CM
Anti corrosion	Weak acid, weak base
Weight (g)	14g

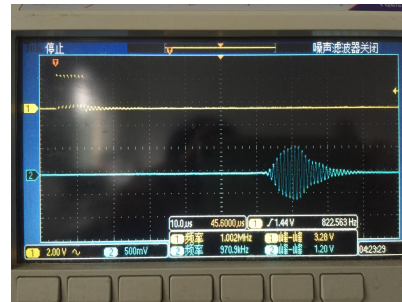
II: Technical Drawing



III. Product Key Index



Resistance



Sensitivity

The above tests were conducted in 25 ° environment

IV: Features:

- 1/ small size, easy installation
- 2/ High sensitivity, High precision, little aftershock wave, wide bandwidth
- 3/ Long life

V: Application

For water flow, short distance of liquid such as water meters, heat meters

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