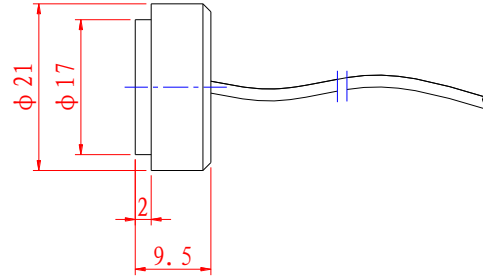




1 MHz Ultrasonic transducer for flow meter

Model: TL10005

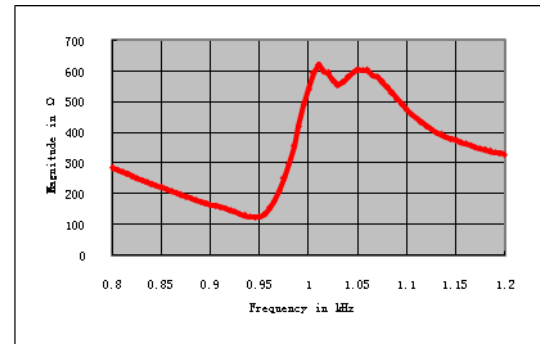


Technical parameters

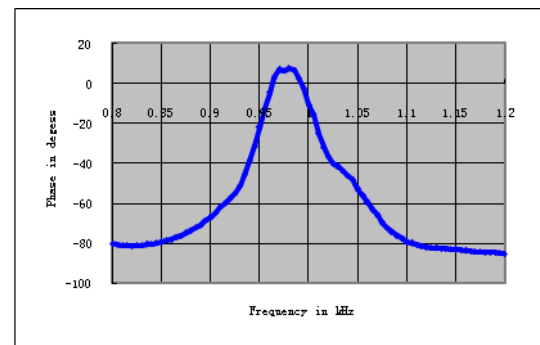
Model	1.0MHz
Centre working frequency (kHz)	1.0MHz±5%
Bandwidth	±0.2MHz
overall sensitivity 0 dB=3 Vp-p; cycle:8; distance:8cm (transmitter and receiver)	-30dB min
Measure Distance:	0.10-5m
Blind zone	<0.10m
Beam angle (-3dBfull angle)	5°
electrostatic capacity	1200PF±20%
Minimal parallel impedance	130Ω±30%
Maxim operating voltage (Pulse Duty cycle ratio 2%)	<300V
Operating temperature	0~95℃
Maxim pressure	2MPa
The material of the housing	PPS
Protection class	

The above tests were conducted in 25 ° environment.

Frequency-resistance



Frequency-phase angle



Sensitivity test:

voltage:3Vp-p; cycle:8; distance:8cm

