



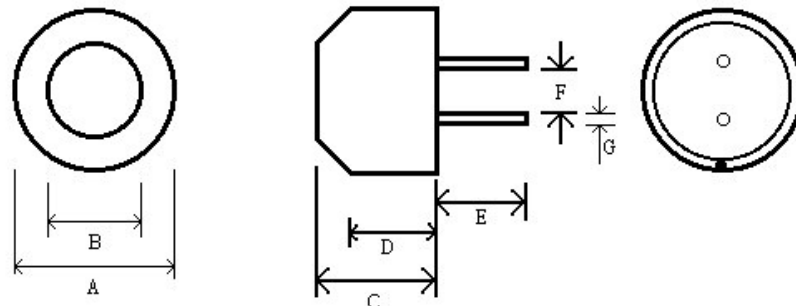
The specifications describe the ultrasonic transducer

PARTS NUMBER	J40CA-18ST	J40CA-18SC	J40CA-18SR
Center frequency (KHz)	40.0±1.0		
Sound pressure level (dB)	106(min)	104(min)	-----
Sensitivity (dB)	-----	-76(min)	-74(min)
Capacitance (pF)	2150±20%		
Angle of major lobe	180°		
Directivity deg (-6dB)	90°		
Ring time (ms)**	≤1.		
Max driving voltage (V)	160		
Working temperature (°C)	-25~75		
Case	Aluminum		

**Ring time was test with input 120V, 40KHz, 0.8msec square wave.

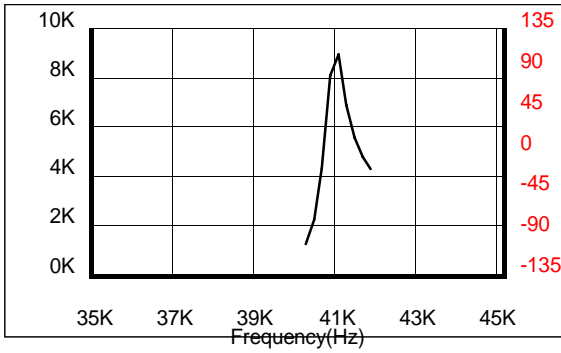
OUTLINE DIMENSION:

- A=10.0±0.5
 - B=18.0±0.5
 - C=12.0±0.5
 - D=7.0±0.5
 - E=8.0±1.0
 - F=7.0±0.5
 - G=1.0±0.1
- Unit: mm

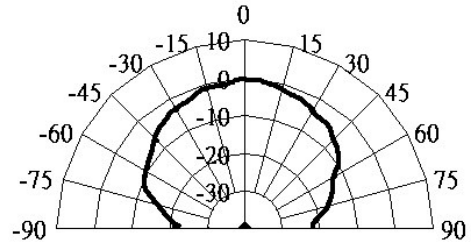


Pin: silver for floating (+)

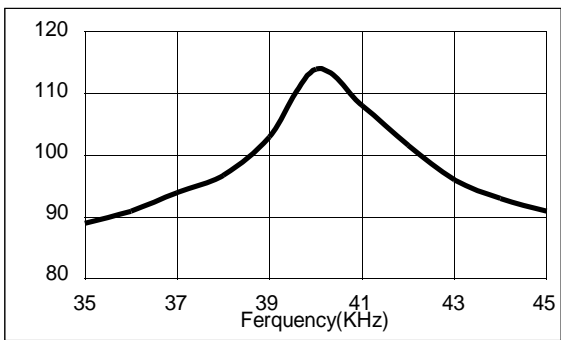
Impedance /Phase Angle VS Frequency



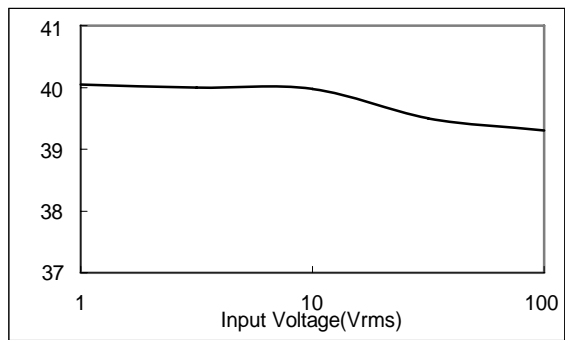
Directivity



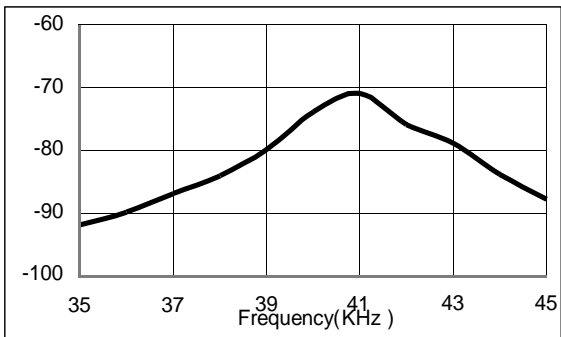
Sound Pressure Level VS Frequency



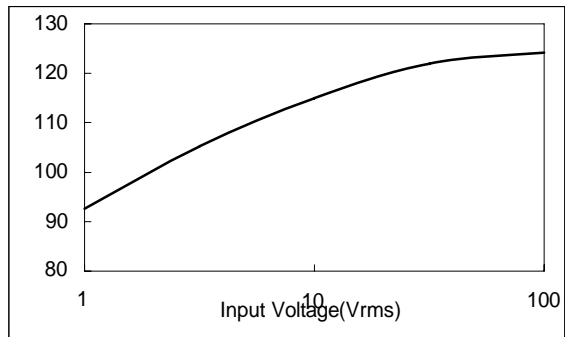
Center Frequency VS Input Voltage



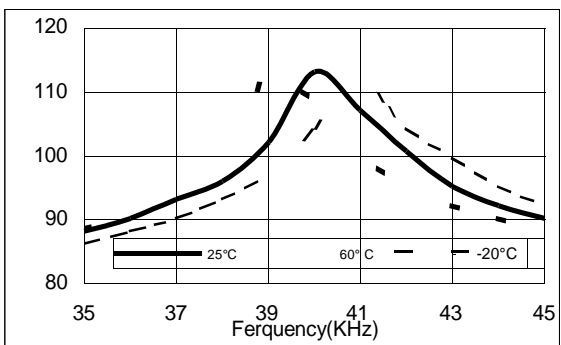
Sensitivity VS Frequency



Output S.P.L. VS Input Voltage



Temperature Characteristic



Capacitance VS Temperature

