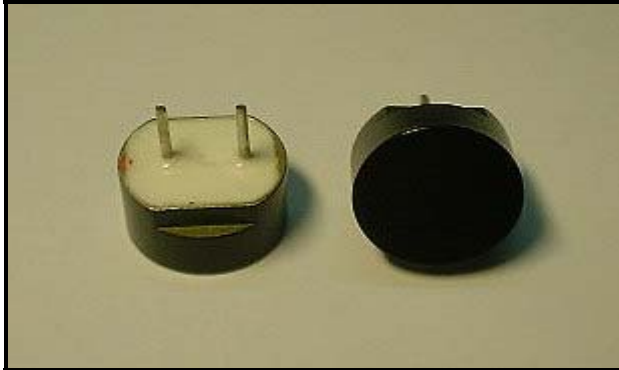


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 4F-3, No. 171, Sec. 2, Chang An E. Rd., Taipei, Taiwan, R. O. C.
 TEL: 886-2-27111093~5 FAX: 886-2-27310902
 E-mail: jinzon@ms2.hinet.net [Http://www.jinzon.com.tw/](http://www.jinzon.com.tw/)

Photo:



The specifications describe the ultrasonic transducer

PARTS NUNBER	J40CA-15D
Center frequency (KHz)	40.0±1.0
Sound pressure level (dB)	102(min)
Sensitivity (dB)	-78(min)
Capacitance (pF)	1950±20%
Directivity deg (-6dB) wide	120°
Directivity deg (-6dB) narrow	60°
Ring time (ms)**	≤ 1.2
Max driving voltage (V)	160
Working temperature (°C)	-30 _N 85
Case/ color	Aluminum/black

.Sound Pressure Level:0 dB v.s. 0.0002μ bar measured at 10Vrms,30cm distance.

.Sensitivity: 0 dB v.s. 1V/μ bar

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

OUTLINE DIMENSION:

A=15.0±0.5

B=9.0±0.5

C=6.0±0.5

D=3.0±0.5

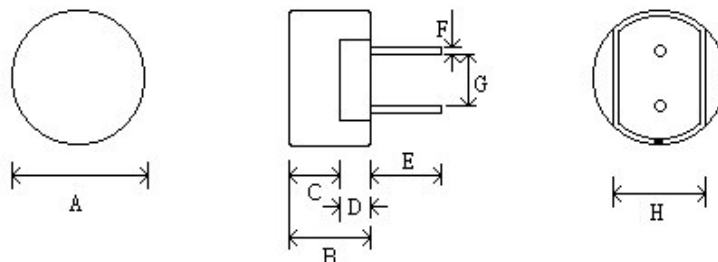
E=8.0±1.0

F=1.0±0.1

G=6.0±0.5

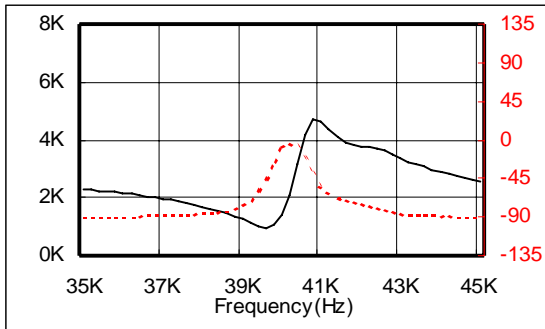
H=12.0±0.5

Unit: mm

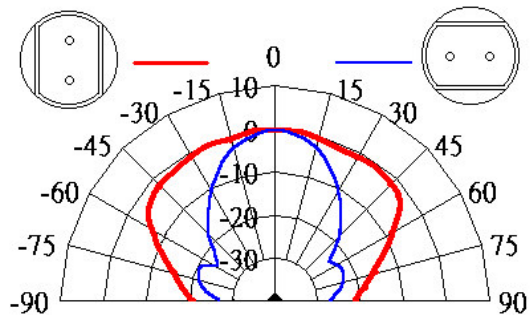


Pin: red for floating (+)

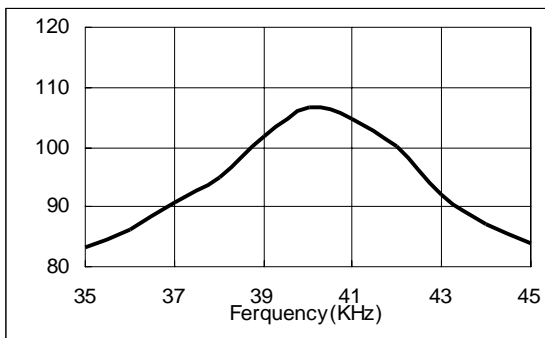
Impedance /Phase Angle VS Frequency



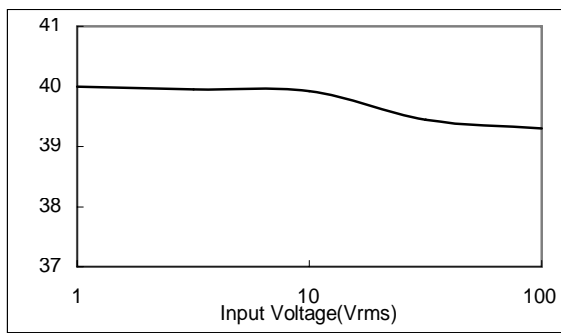
Directivity



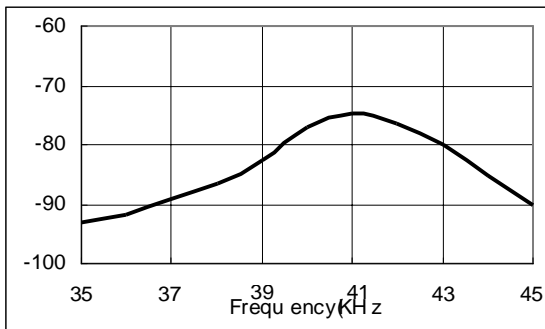
Sound Pressure Level VS Frequency



Center Frequency VS Input Voltage



Sensitivity VS Frequency



Output S.P.L. VS Input Voltage

