

Ceramic Transducer Design Co.,Ltd

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Photo:



Standard type of this sensor:

25T/R-16F	Flower case with aluminum case
25T/R-16W	White mesh with aluminum case
25T/R-16B	Black mesh with aluminum case
25T/R-16P	Plastic black case

Specification

PARTS NUNBER	25T-16	25R-16
Center frequency (kHz)	25.0±1.0kHz	25.0±1.0kHz
Sound pressure level (0dB=0.0002 μ bar)	≥ 112 dB	-----
Sensitivity (0dB vs 1V/ μ bar)	-----	≥ -65 dB
Bandwidth (kHz)	4.0/106dB	3.5/-71dB
Beam angle -6dB	70°	
Driving voltage (RMS)	30V	
Working temperature (°C)	-30~80	

Dimension(25T/R-16P):

$$A=16.1\pm0.3$$

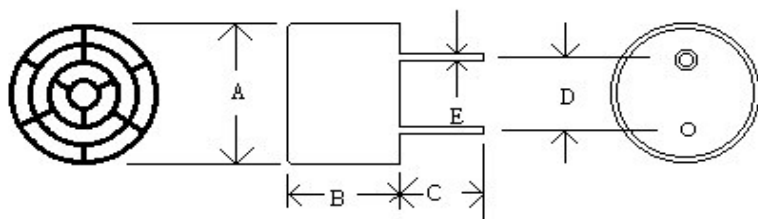
$$B=12.0\pm0.4$$

$$C=9.5\pm1.0$$

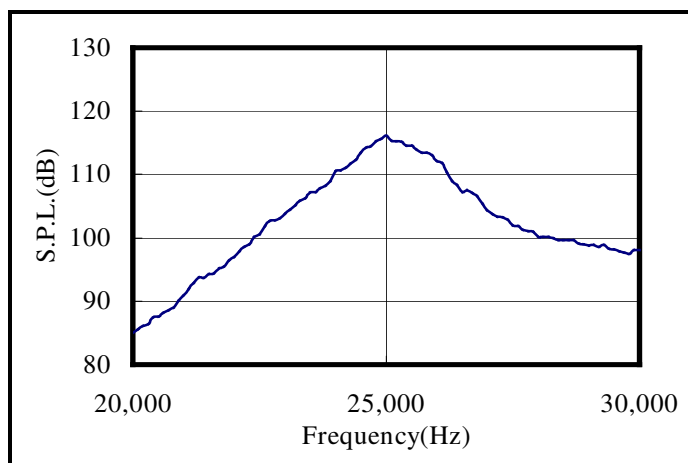
$$D=10.0\pm0.5$$

$$E=1.0\pm0.1$$

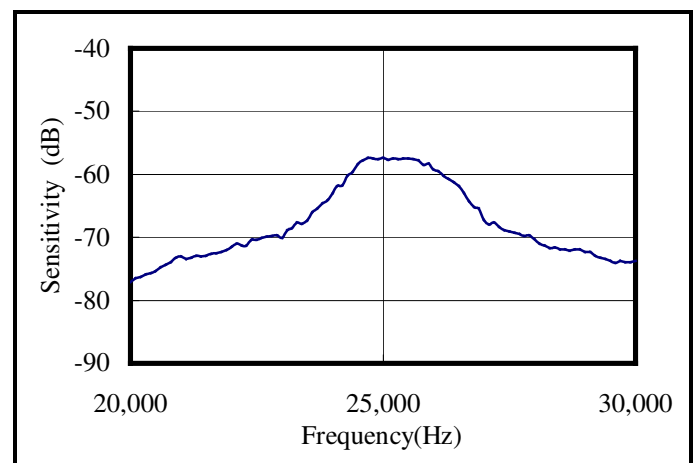
(UNIT: mm)



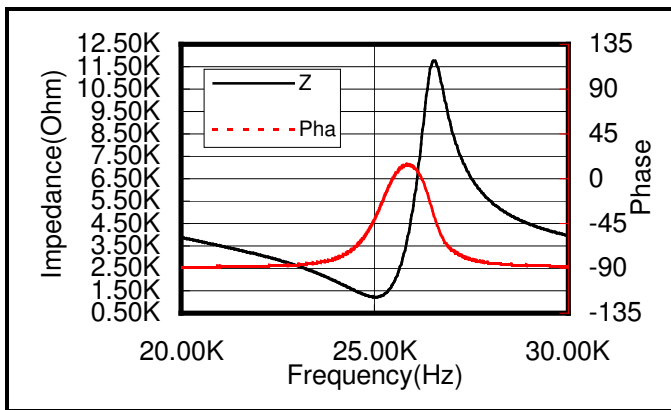
Transmitter impedance



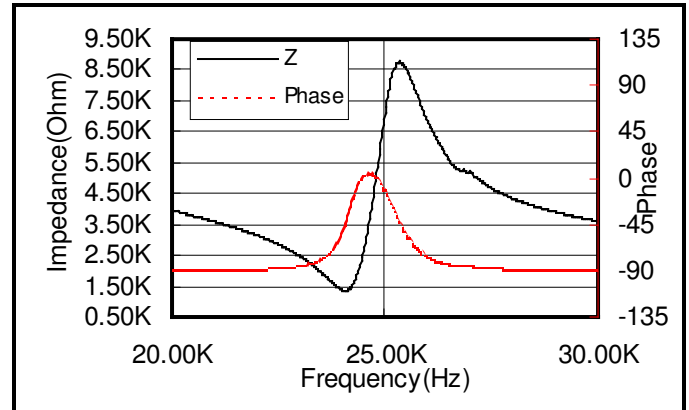
Receiver impedance



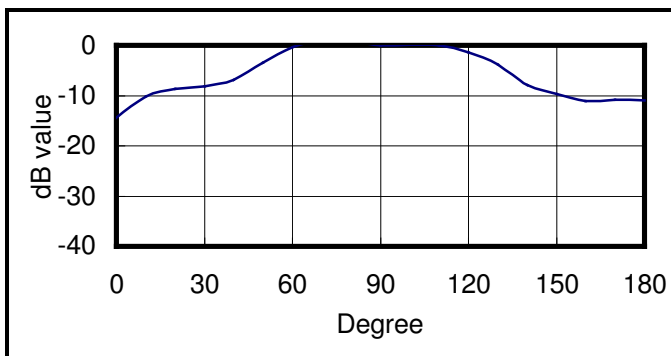
Transmitter impedance



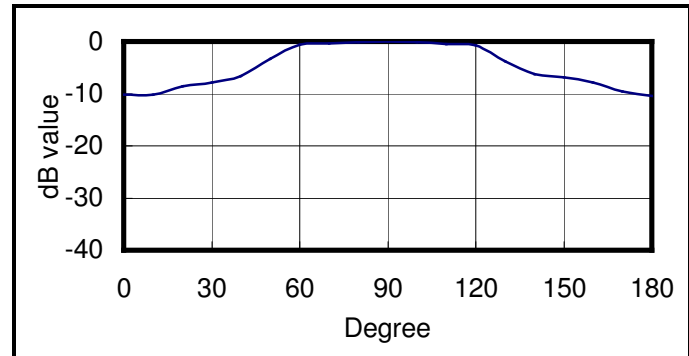
Receiver impedance



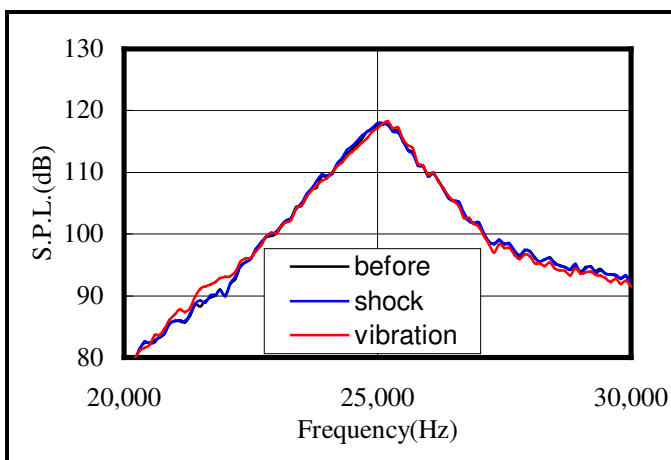
Beam angle of transmitter



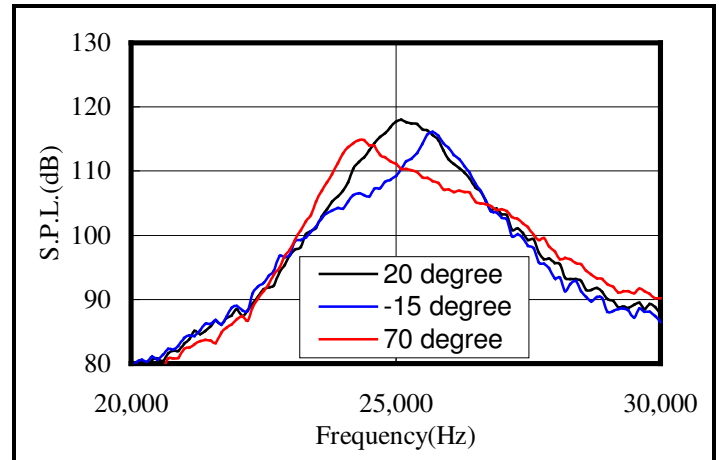
Beam angle of receiver



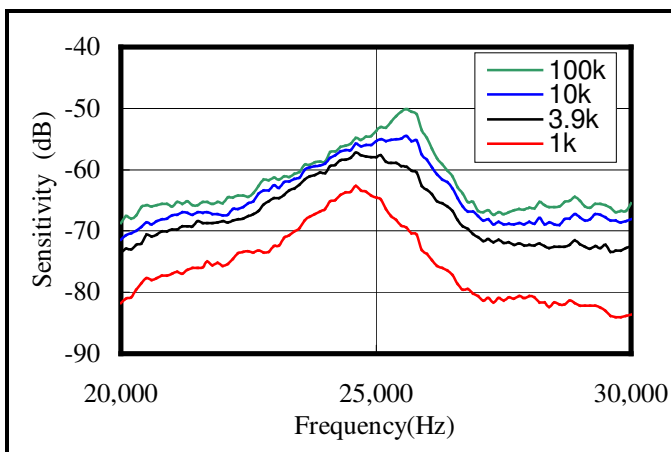
Environment test



Temperature test



Sensitivity change with load resistance



S.P.L. change with driving voltage

