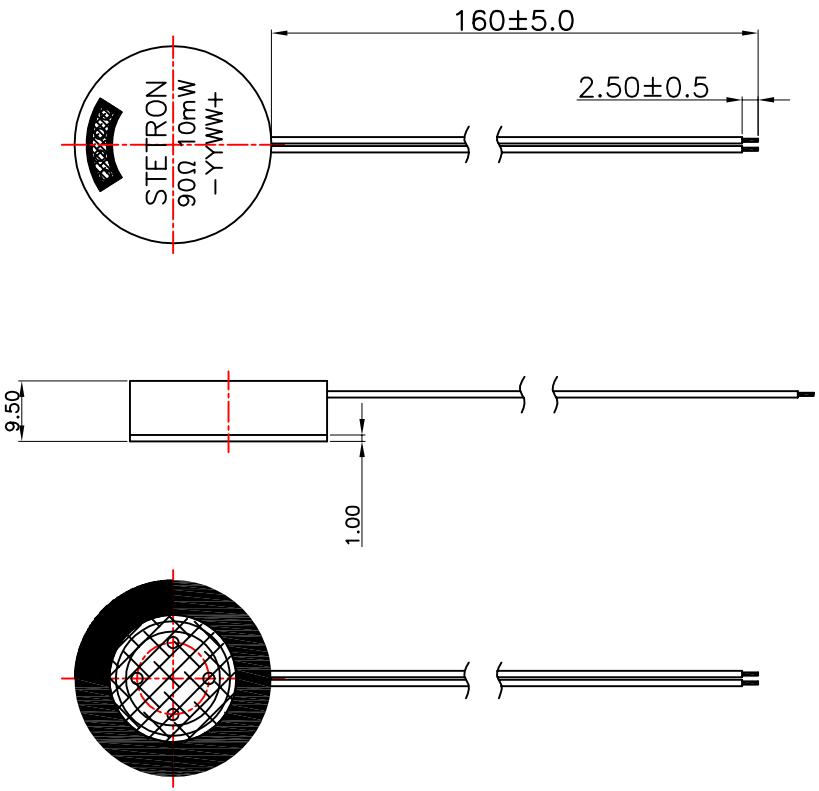
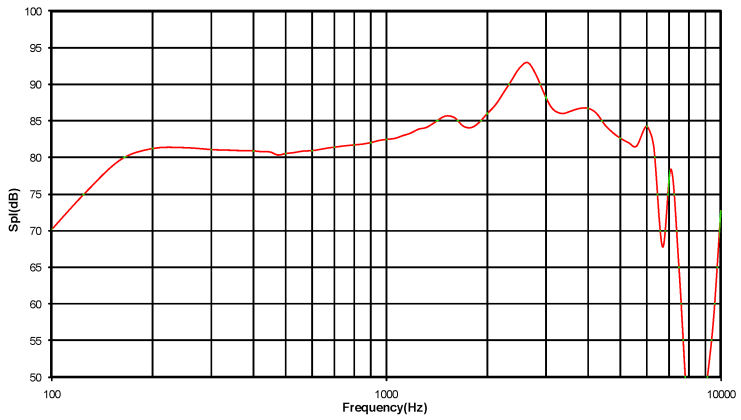


ITEM		SPECIFICATION	REMARKS
1	Dimensions	31 mm x 9.5 mm	Outside Diameter x Height
2	Impedance	90.0Ω±15%	@ 1kHz/0.948V
3	Input Power	10 mW/30 mW	RMS/Peak
4	Lowest Resonant Frequency, F_0	200Hz ±20%	Constant Voltage (0.95 mV RMS)
5	Output SPL	86dB ±3dB	Measured @60 mV and 1 kHz using IEC 711 Type 3.2 high leakage artificial ear(B & K 4195)
6	Total Harmonic Distortion	Max. 5%	150 Hz- 6 kHz @60 mV
7	Effective Frequency Range	200 Hz to 6 kHz	See typical frequency response
8	Magnet Dimension	Φ9.5 x 1.8 mm	OD x H
TESTS			
9	Operation Test	White noise of 10 mW is applied for 96h.	The speaker must meet items 4 to 6 after test
10	Max. Input Power	The speaker shall be exposed to white noise of 30 mW for 1min.	
11	Buzz Test	0.95 Vrms applied from Fo to 10kHz	There shall be no extraneous noise
12	Polarity	A positive DC current is applied to the terminal marked +	The diaphragm shall move forward
13	Drop Test (in box)	The dynamic receiver is dropped on each from a height of 100cm at an angle of 75 degrees	There shall be no buzz/rattle and the part shall exhibit no physical damage
14	Low Temperature Exposure	The speaker shall be exposed to -25 ±2°C, 50%RH for 96h with a 2h rest at room temperature.	The speaker must meet items 5 to 6 after test
15	High Temperature Exposure	The speaker shall be exposed to 60 ±3°C, 50%RH for 96h with a 2h rest at room temperature.	
16	Humidity Exposure	The speaker shall be exposed to 40±3°C, 90%RH for 96h with a 2h rest at room temperature.	

Typical frequency response(w/IEC 711 type 3.2 high leak artificial ear)



Stetron International Inc.

Dynamic receiver Specification
31mm, 90.0Ω, wide band enclosed
10 mW, RoHS

SIZE	DRAWN BY	PART No.
A		DR0031090E10FDR

SCALE	DATE	SHEET
N/A	24-Nov-10	1 of 1

REV	DWG No. / FILE
0.1	DB10-064