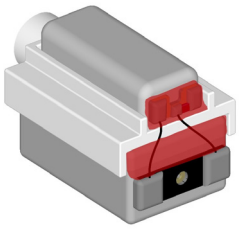
Data Sheet

Receiver assembly 23-E25WT01/9

Description

IEM subassembly based on a 2370 and a E25TAA002/D suited for mid size 2 way designs or midrange/tweeter in 3 way configurations.



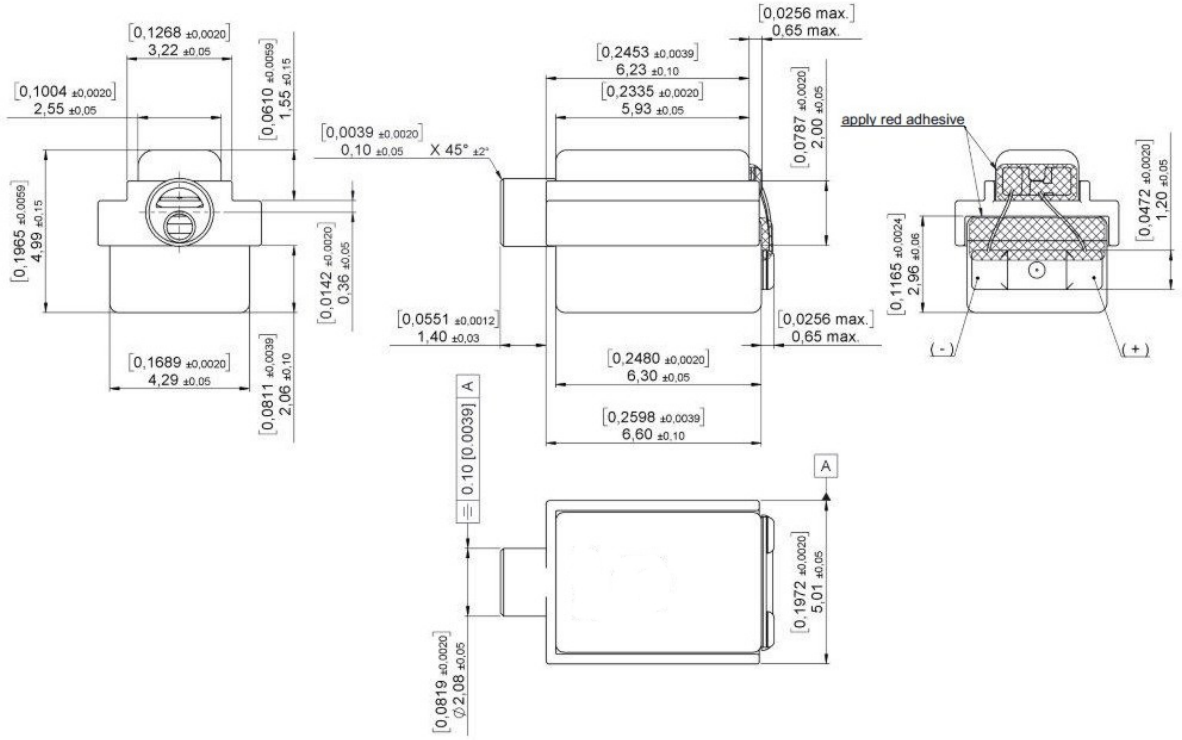
Features

- Plug and play 2 way module utilizing joiner concept
- Tuned vent woofer for improved low frequency performance
- E25T super tweeter with extended high frequency
- High pass filter on tweeter by 220 nF capacitor
- High output and broad bandwith in a small enclosure

Mechanical data

Weight	0.40 gr.
Case material	Ni80Fe15Mo5
Solder pad material	Sn96.5Ag3.0Cu0.5
Dimensions	Refer to outline drawing

Product drawing - Dimensions in mm [inch]



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Version: 1
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Specifications

The acoustic termination consists of 4.5 mm x 1.4 mm ID + 11 x 1.9 mm ID into a 0.4 cc coupler vs. 4.5 mm x 1.4 mm ID + 11 x 1.9 mm ID into a 711 coupler. The 711 data is for indication purposes only. Drive is voltage drive of 100 mVrms from a low impedance source unless specified otherwise. Environmental conditions: 23°C (73.4F), 50 % RH.

Acoustic parameters		0.4 cc			711		
		Min	Typ	Max	Typ	Unit	Comments
Sensitivity	@ 30 Hz	115.5	118	120.5	109.5	dB	
	@ 100 Hz	115.5	118	120.5	109.5	dB	
	@ 500 Hz	112	114.5	117	106.5	dB	
	@ 1000 Hz	111	113.5	116	107	dB	
Peak 1	frequency	2350	2550	2750	2550	Hz	
	output	120	123	126	119.5	dB	
Valley 1	frequency	3500	3750	4000	3600	Hz	
	output	112	115		114	dB	
Peak 2	frequency	4350	4600	4850	4700	Hz	
	output	118	121	124	120	dB	
Valley 3	frequency	8000	8800	9600	8500	Hz	
	output	94	97		101	dB	
Peak 4	frequency	9200	10100	11000	10100	Hz	
	output	98	102	106	109	dB	
THD	@ 1/3 peak		2.9	5	4.7	%	
	@ 1/2 peak		1.1	5	1.6	%	
Rated power			10			mVA	
Maximum output @ peak frequency			143		141	dB	@ 50 mVA input

Electric parameters 2370	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz	33	41.5	50	Ohm	
Impedance @ 500 Hz	25	31.5	38	Ohm	
DC resistance @ 20°C	22	26	30	Ohm	

Electric parameters E25TAA002/D	Min	Typ	Max	Unit	Comments
Impedance @ 1000 Hz	19	24	29	Ohm	
Impedance @ 500 Hz	16	20	24	Ohm	
DC resistance @ 20°C	17.8	21	24.2	Ohm	

Additional parameters	Min	Typ	Max	Unit	Comments
Shock resistance	12000			g	90% survival rate with THD @ 1/2 peak frequency < 10%
Storage temperature range	-40		63	°C	

A positive voltage applied to the negative terminal (-) will result in an increase in pressure at the sound outlet.

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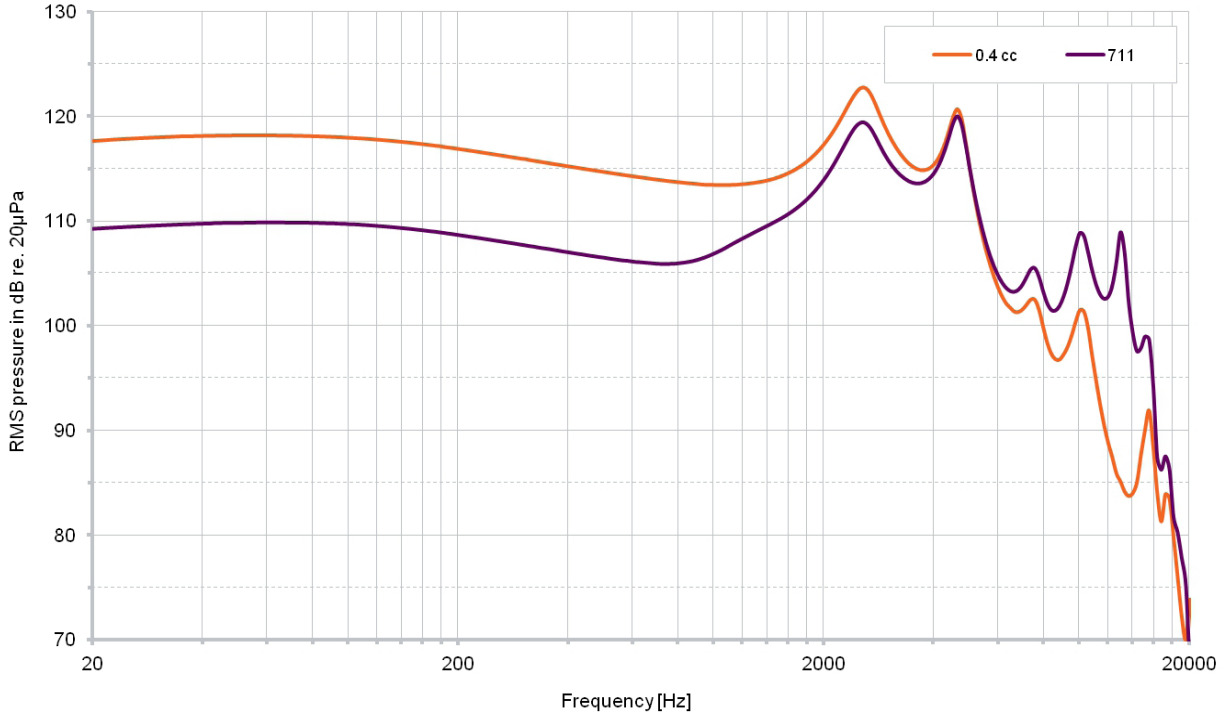
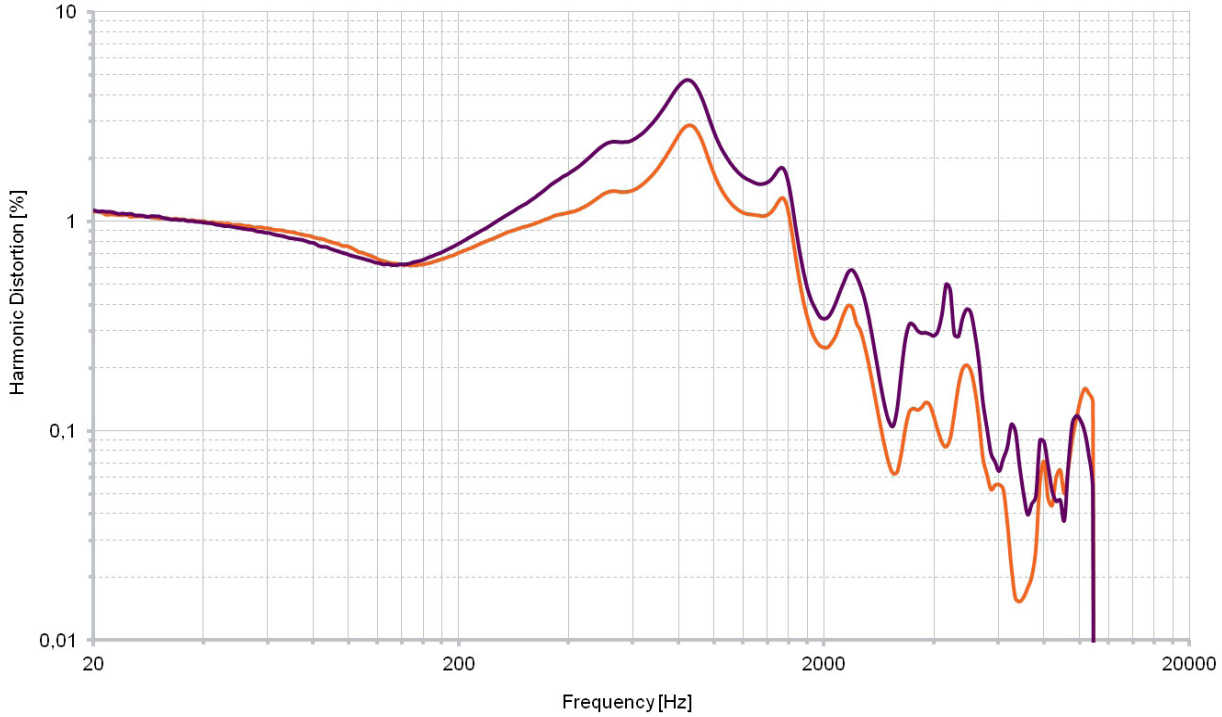
Typical response curve



THD vs Frequency, typical, nominal input



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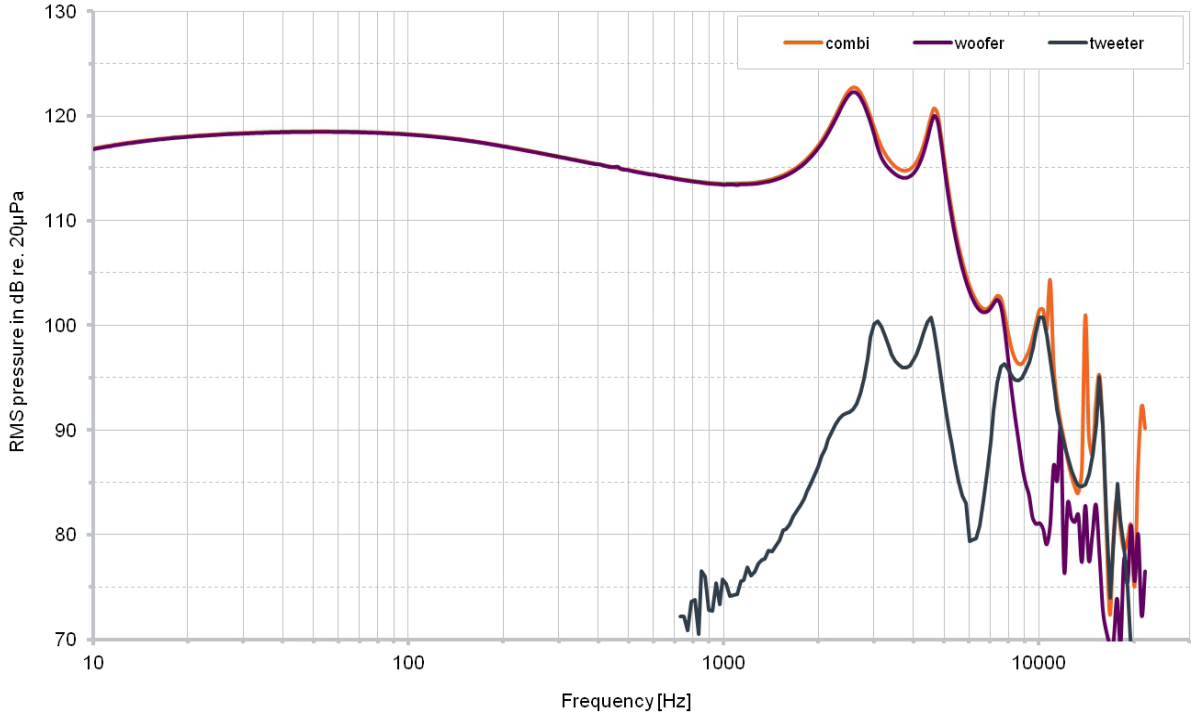
Typical response curve combined



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