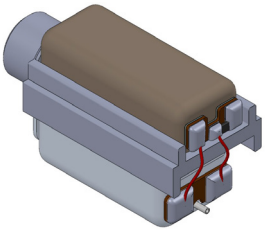
# Data Sheet

Receiver assembly 26-E25WT02/9

## Description

IEM sub assembly based on a 26AA007/9W and E25TAA002/D suited for small 2 way designs or midrange/tweeter in 3 way configurations.



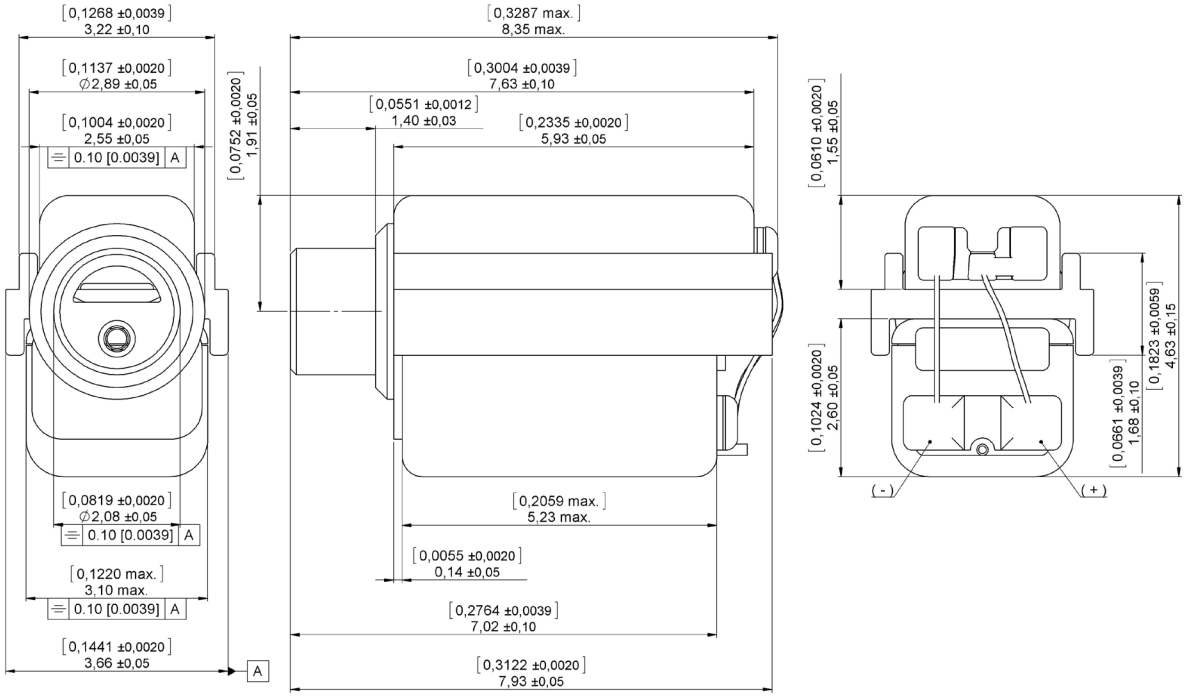
## Features

- Plug and play 2 way module utilizing joiner concept
- Tuned vent woofer for improved low frequency performance
- E25T super tweeter with extended high frequency
- AcuPass™ acoustic low pass filtering on the woofer
- High pass filter on tweeter by 100 nF capacitor
- High output and broad bandwith in a small enclosure
- Increased resistance provides flat LF response driven from voltage source

## Mechanical data

| | |
|---|---|
| Weight | 0.27 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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## 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 (73.4 F), 50% RH.

| Acoustic parameters | | 0.4 cc | | | 711 | | |
|---|---|---|---|---|---|---|---|
| | | Min | Typ | Max | Typ | Unit | Comments |
| Sensitivity | @ 30 Hz | 110.5 | 113 | 115.5 | 105.5 | dB | |
| | @ 100 Hz | 110.5 | 113 | 115.5 | 105.5 | dB | |
| | @ 500 Hz | 107 | 109.5 | 112 | 101.5 | dB | |
| | @ 1000 Hz | 105 | 107.5 | 110 | 101.5 | dB | |
| | @ 8400 Hz | 80 | 83 | | 87 | dB | |
| Peak 1 | frequency | 2450 | 2650 | 2850 | 2600 | Hz | |
| | output | 111 | 114 | 117 | 110 | dB | |
| Valley 1 | frequency | 3800 | 4050 | 4300 | 3700 | Hz | |
| | output | 103 | 106 | 108 | 105 | dB | |
| Peak 2 | frequency | 4900 | 5150 | 5400 | 5000 | Hz | |
| | output | 110.5 | 113.5 | 116.5 | 113 | dB | |
| Valley 3 | frequency | 12000 | 13500 | 15000 | | Hz | |
| | output | 77 | 80 | | | dB | |
| THD | @ 1/3 peak | | | 5 | | % | |
| | @ 1/2 peak | | | 5 | | % | |
| Rated power | | | 10 | | | mVA | |
| Maximum output @ peak frequency | | | 142 | | 138 | dB | @ 50 mVA input |

| Electric parameters 26AA007/9W | Min | Typ | Max | Unit | Comments |
|---|---|---|---|---|---|
| Impedance @ 1000 Hz | 52 | 65 | 78 | Ohm | |
| Impedance @ 500 Hz | 40 | 50 | 60 | Ohm | |
| DC resistance @ 20°C | 34 | 40 | 46 | 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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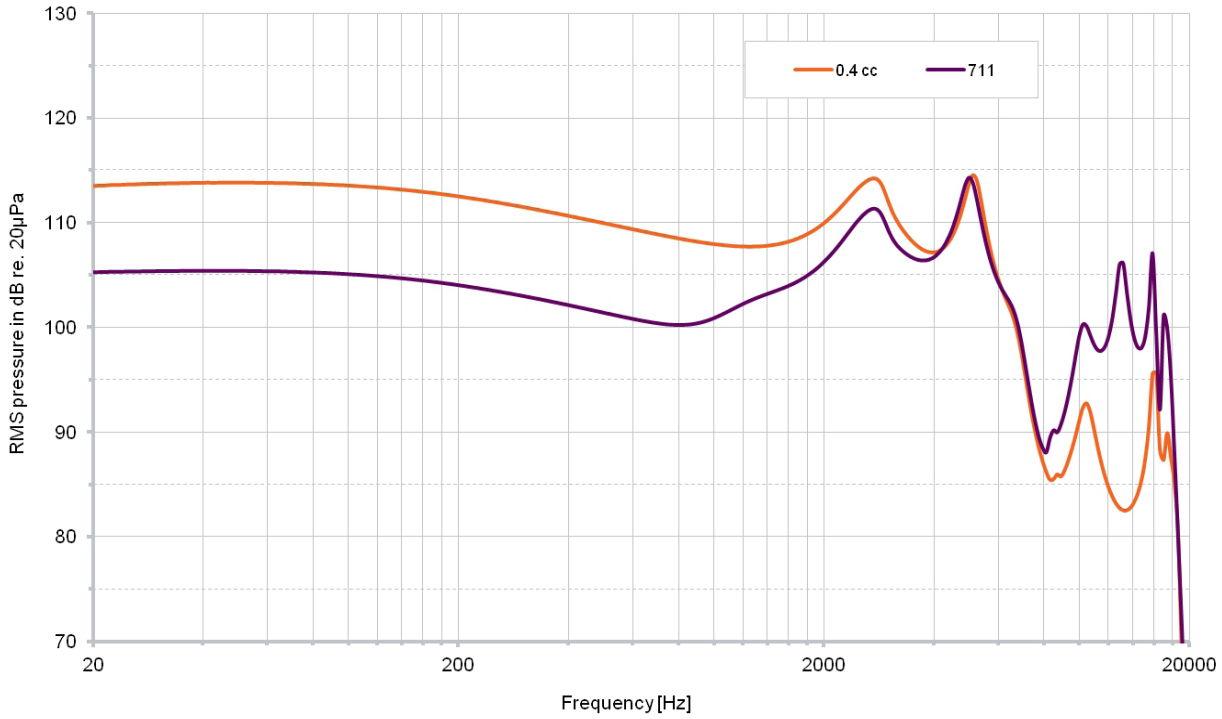
Item-Configuration number: 3348-3107331
Version: 3
Version date 18-Oct-2016

## Typical response curve




## THD vs Frequency, typical, nominal input

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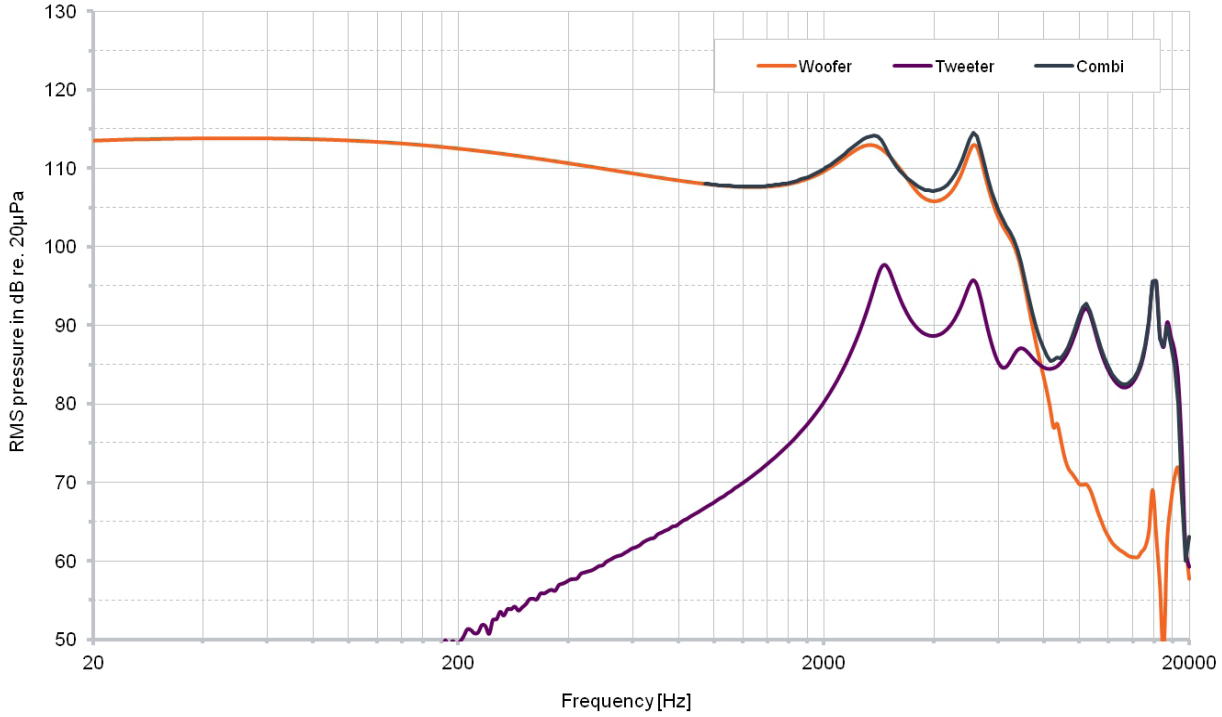
## Typical response curve combined



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