

#### GENERAL CHARACTERISTICS

|                                   |      |    |
|-----------------------------------|------|----|
| Nominal Overall Diameter .....    | 208  | mm |
| Nominal Voice Coil Diameter ..... | 38   | mm |
| Magnet Weight .....               | 426  | g  |
| Flux Density.....                 | 0.78 | T  |
| Weight .....                      | 1.45 | Kg |

#### THIELE-SMALL PARAMETERS

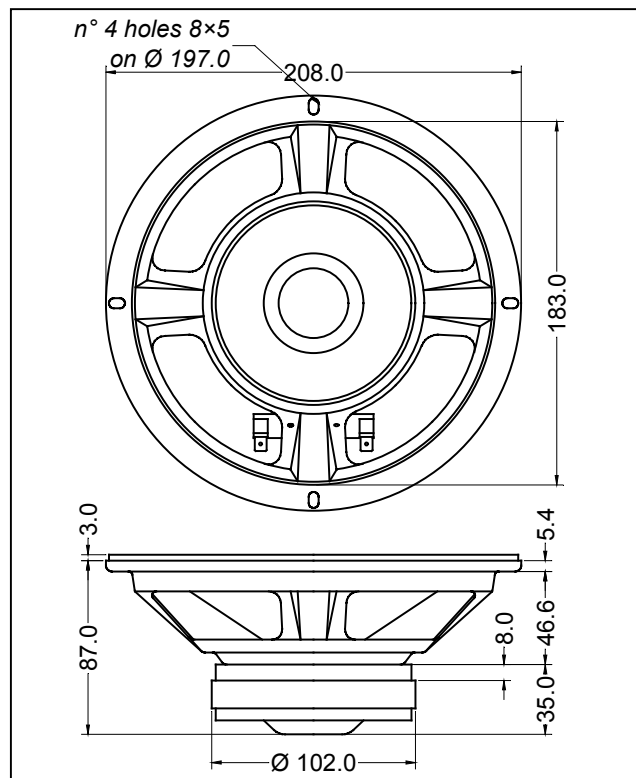
|                                    |              |        |                 |
|------------------------------------|--------------|--------|-----------------|
| Voice Coil DC Resistance .....     | $R_E$        | 3.09   | $\Omega$        |
| Resonance Frequency .....          | $f_s$        | 43.5   | Hz              |
| Mechanical Q Factor.....           | $Q_{MS}$     | 1.82   |                 |
| Electrical Q Factor.....           | $Q_{ES}$     | 0.48   |                 |
| Total Q Factor .....               | $Q_{TS}$     | 0.38   |                 |
| Mechanical Moving Mass .....       | $M_{MS}$     | 18.8   | g               |
| Mechanical Compliance .....        | $C_{MS}$     | 712    | $\mu\text{m/N}$ |
| Force Factor .....                 | $B \times l$ | 5.76   | Wb/m            |
| Equivalent Acoustic Volume.....    | $V_{AS}$     | 45.7   | lt.             |
| Maximum Linear Displacement ....   | $X_{MAX}$    | +/-3.0 | mm              |
| Reference Efficiency .....         | $\eta_0$     | 0.75   | %               |
| Diaphragm Area .....               | $S_D$        | 213.8  | $\text{cm}^2$   |
| Losses Electrical Resistance.....  | $R_{ES}$     | 11.7   | $\Omega$        |
| Voice Coil Inductance @ 1kHz ..... | $L_E$        | 0.66   | mH              |

#### CONSTRUCTIVE CHARACTERISTICS

|                         |                     |
|-------------------------|---------------------|
| Magnet.....             | Ferrite             |
| Voice Coil Winding..... | Copper              |
| Voice Coil Former.....  | Kapton              |
| Cone .....              | Paper               |
| Surround.....           | Rubber              |
| Dust Dome .....         | Solid Paper         |
| Basket .....            | Pressed Sheet Steel |

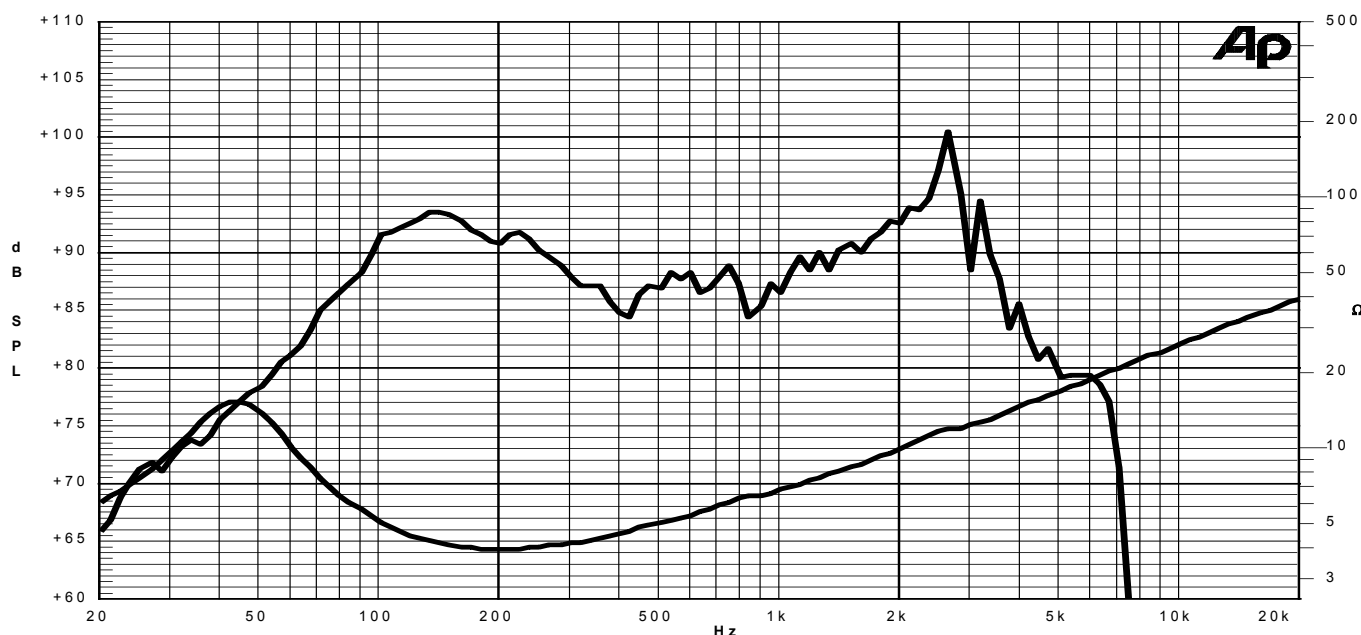
#### ELECTRICAL CHARACTERISTICS

|                              |      |          |
|------------------------------|------|----------|
| Nominal Impedance.....       | 4    | $\Omega$ |
| Musical Power .....          | 160  | W        |
| Rated Power* .....           | 80   | W        |
| Sensitivity @ 1 W, 1 m ..... | 91.9 | dB       |



\*rated power measured with 2 hours test with pink noise signal, 6 dB crest factor, loudspeaker mounted on enclosure

Frequency Response on IEC Baffle (DIN 45575) @ 1 W, 1 m - Impedance



Due to continuing product improvement, the features and the design are subject to change without notice.

15/03/05