

#### GENERAL CHARACTERISTICS

|                                   |      |    |
|-----------------------------------|------|----|
| Nominal Overall Diameter .....    | 306  | mm |
| Nominal Voice Coil Diameter ..... | 32   | mm |
| Magnet Weight .....               | 426  | g  |
| Flux Density.....                 | 1.10 | T  |

#### THIELE-SMALL PARAMETERS

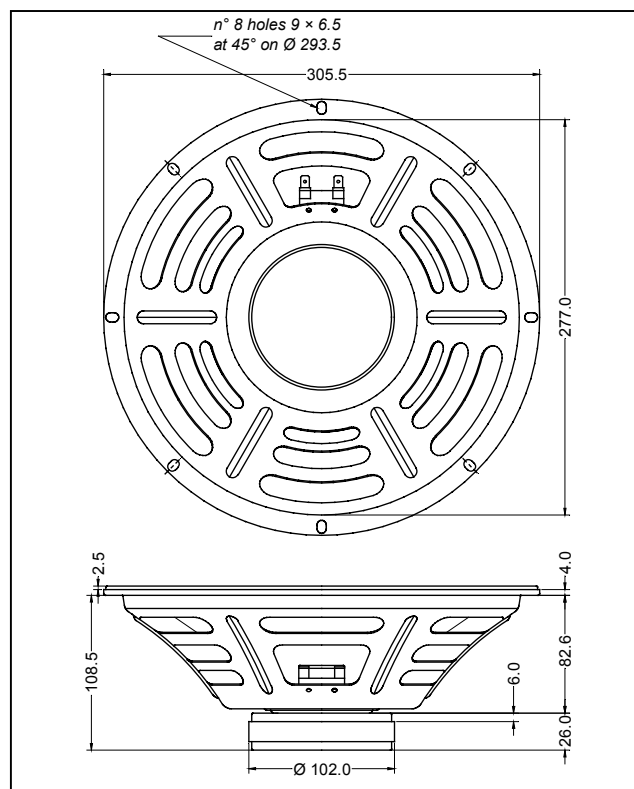
|                                    |              |       |                 |
|------------------------------------|--------------|-------|-----------------|
| Voice Coil DC Resistance .....     | $R_E$        | 6.30  | Ω               |
| Resonance Frequency .....          | $f_s$        | 82.0  | Hz              |
| Mechanical Q Factor.....           | $Q_{MS}$     | 7.50  |                 |
| Electrical Q Factor.....           | $Q_{ES}$     | 1.73  |                 |
| Total Q Factor .....               | $Q_{TS}$     | 1.40  |                 |
| Mechanical Moving Mass .....       | $M_{MS}$     | 29.4  | g               |
| Mechanical Compliance .....        | $C_{MS}$     | 129.0 | μm/N            |
| Force Factor .....                 | $B \times l$ | 7.43  | Wb/m            |
| Equivalent Acoustic Volume.....    | $V_{AS}$     | 43.6  | lt.             |
| Maximum Linear Displacement ...    | $X_{MAX}$    | 1.50  | mm              |
| Reference Efficiency .....         | $\eta_0$     | 1.33  | %               |
| Diaphragm Area .....               | $S_D$        | 490.9 | cm <sup>2</sup> |
| Losses Electrical Resistance.....  | $R_{ES}$     | 28.0  | Ω               |
| Voice Coil Inductance @ 1kHz ..... | $L_E$        | 0.66  | mH              |

#### CONSTRUCTIVE CHARACTERISTICS

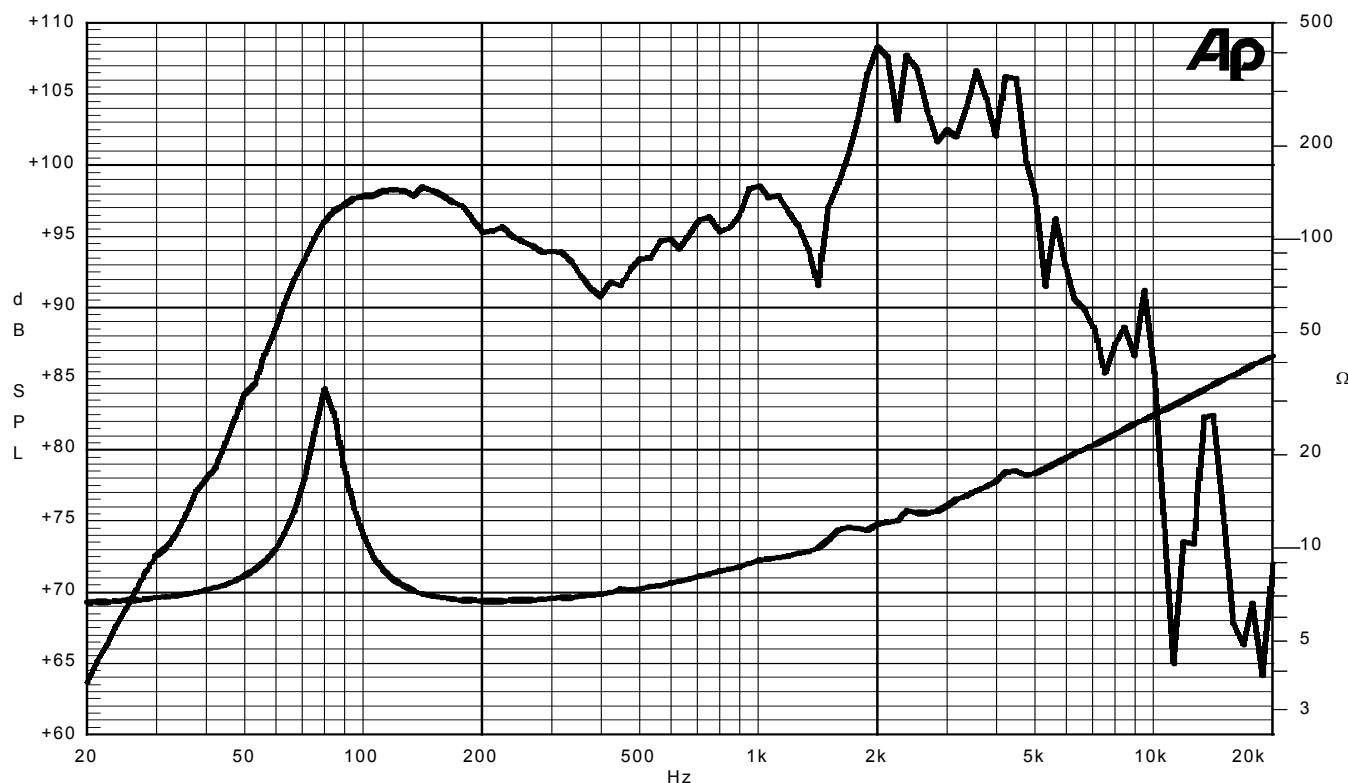
|                         |                     |
|-------------------------|---------------------|
| Magnet.....             | Ferrite             |
| Voice Coil Winding..... | Copper              |
| Voice Coil Former.....  | Epotex              |
| Cone .....              | Paper               |
| Surround.....           | Integrated Paper    |
| Dust Dome .....         | Non Treated Cloth   |
| Basket .....            | Pressed Sheet Steel |

#### ELECTRICAL CHARACTERISTICS

|                                           |      |    |
|-------------------------------------------|------|----|
| Nominal Impedance.....                    | 8    | Ω  |
| Rated Power (DIN 45573 - IEC 268.5) ..... | 50   | W  |
| Musical Power (DIN 45500) .....           | 100  | W  |
| Sensitivity @ 1 W, 1 m .....              | 94.3 | dB |



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.

31/03/2005