The Revelator Tweeters large roll surround technology represents a breakthrough in overall performance, with outstanding off-axis response, high output capability and low resonance frequency. Additional enhancements have been made to reduce distortion and power compression, such as large neodymium magnet systems for high sensitivity, and a careful design to optimise airflow in the chambers.

**KEY FEATURES:**
- 1" Coated Textile Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Large Roll Surround f. Wide Dispersion
- Large Ring Neo Magnet f. High Output
- Black Anodized Machined Alu Face Plate

**T-S Parameters**
- Resonance frequency \([f_s]\) 520 Hz
- Mechanical Q factor \([Q_{ms}]\) 3.50
- Electrical Q factor \([Q_{es}]\) 0.50
- Total Q factor \([Q_{ts}]\) 0.44
- Force factor \([B_l]\) 2.8 Tm
- Mechanical resistance \([R_{ms}]\) 0.37 kg/s
- Moving mass \([M_{ms}]\) 0.4 g
- Suspension compliance \([C_{ms}]\) 0.23 mm/N
- Effective diaph. diameter \([D]\) 30 mm
- Effective piston area \([S_d]\) 7 cm²
- Equivalent volume \([V_{as}]\) 0.02 l
- Sensitivity (2.83V/1m) 94.4 dB
- Ratio \(B_l/V/Re\) 1.62 N/V/W
- Ratio \(f_s/Q_{ts}\) 1189 Hz

**Electrical Data**
- Nominal impedance \([Z_n]\) 4 Ω
- Minimum impedance \([Z_{min}]\) 3.7 Ω
- Maximum impedance \([Z_o]\) 24.0 Ω
- DC resistance \([R_e]\) 0.01 mH
- Voice coil inductance \([L_e]\) 0.01 mH

**Power Handling**
- 100h RMS noise test (IEC 17.1)* 90 W
- Long-term max power (IEC 17.3)* 150 W
*Filter: 2. order HP Butterworth, 2.5 kHz

**Voice Coil and Magnet Data**
- Voice coil diameter 26 mm
- Voice coil height 2.4 mm
- Voice coil layers 2
- Height of gap 2.5 mm
- Linear excursion \(\pm 0.2\) mm
- Max mech. excursion \(\pm 1.6\) mm
- Unit weight 0.4 kg

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Notes:
IEC specs, refer to IEC 60268-5 third edition. All Scan-Speak products are RoHS compliant. Data are subject to change without notice. Datasheet updated: February 22, 2011.
**TWEETER**

**D2904/710003**

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**Advanced Parameters (Preliminary)**

Electrical data:
- Resistance [Re'] - Ω
- Free inductance [Leb] - mH
- Bound inductance [Le] - mH
- Semi-inductance [Ke] - SH
- Shunt resistance [Rss] - Ω

Mechanical Data:
- Force Factor [Bl] - Tm
- Moving mass [Mms] - g
- Compliance [Cms] - mm/N
- Mechanical resistance [Rms] - kg/s
- Admittance [Ams] - mm/N

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