The Classic tweeters are among the many highly praised designs in Classic series. They have enjoyed success over 3 decades. And still among the best tweeters available. The D2905/9000 tweeter kick-started a new era with a line of very high quality 1” tweeters, today known as -9300, -9500, -9700 and -9800. Despite their many years on the market still used in many top High-End speakers around the world.

KEY FEATURES:

• 1” Textile Dome Diaphragm
• Low Resonant Rear Chamber
• 4 ohm
• Ferro Fluid
• Black Painted Alu Face Plate

T-S Parameters

Resonance frequency [fs] 550 Hz
Mechanical Q factor [Qms] 1.47
Electrical Q factor [Qes] 0.53
Total Q factor [Qts] 0.39
Force factor [Bl] 3.2 Tm
Mechanical resistance [Rms] 1.05 kg/s
Moving mass [Mms] 0.45 g
Compliance [Cms] 0.19 mm/N
Effective diaph. diameter [D] 35 mm
Effective piston area [Sd] 9.5 cm²
Equivalent volume [Vas] 0.02 l
Sensitivity (2.83V/1m) 91 dB
Ratio Bl/vRe 1.71 N/V/W
Ratio fs/Qts 1421 Hz

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 12, 2016.

Electrical Data
Nominal impedance [Zn] 4 Ω
Minimum impedance [Zmin] 4.3 Ω
Maximum impedance [Zo] 13.3 Ω
DC resistance [Re] 3.5 Ω
Voice coil inductance [Le] 0.05 mH

Power Handling
100h RMS noise test (IEC 17.1)* 150 W
Long-term max power (IEC 17.3)* 430 W
*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data
Voice coil diameter 28 mm
Voice coil height 2.5 mm
Voice coil layers 2
Height of gap 2.5 mm
Linear excursion ± 0.1 mm
Max mech. excursion ± 1.5 mm
Unit weight 0.7 kg
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