The Discovery series offer traditional design, superior sound, a solid construction, and a wide range of variants. Combining these elements - plus a wealth of technical features and finesses - it gives our customers the possibility of acquiring a tailor-made Scan-Speak solution with very good performance at a reasonable low price point!

**KEY FEATURES:**

- Extended Frequency To Above 40KHz
- Low Distortion
- Wave-guide center plug (Patent)
- Very Low Resonance Frequency - 500Hz
- Dual Ring Radiator diaphragm (Patent)
- Textile Diaphragm

**T-S Parameters**

- Resonance frequency \([fs]\) 500 Hz
- Mechanical Q factor \([Qms]\) 2.77
- Electrical Q factor \([Qes]\) 0.52
- Total Q factor \([Qts]\) 0.44
- Force factor \([Bl]\) 2.3 Tm
- Mechanical resistance \([Rms]\) 0.34 kg/s
- Moving mass \([Mms]\) 0.3 g
- Suspension compliance \([Cms]\) 0.34 mm/N
- Effective diaph. diameter \([D]\) 26 mm
- Effective piston area \([Sd]\) 5.4 cm²
- Equivalent volume \([Vas]\) 0.01 l
- Sensitivity (2.83V/1m) 90.0 dB
- Ratio Bl/vRe 1.35 N/V/W
- Ratio fs/Qts 1147 Hz

**Electrical Data**

- Nominal impedance \([Zn]\) 4 Ω
- Minimum impedance \([Zmin]\) 3.7 Ω
- Maximum impedance \([Zo]\) 18.4 Ω
- DC resistance \([Re]\) 2.9 Ω
- Voice coil inductance \([Le]\) 0.02 mH

**Power Handling**

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

**Voice Coil and Magnet Data**

- Voice coil diameter 26 mm
- Voice coil height 2.2 mm
- Voice coil layers 2
- Height of gap 2.5 mm
- Linear excursion ± 0.2 mm
- Max mech. excursion ± 1.6 mm
- Unit weight 0.5 kg
TWEETER

Advanced Parameters (Preliminary)

Electrical data:
- Resistance \([R_e]\) - \(\Omega\)
- Free inductance \([L_{eb}]\) - mH
- Bound inductance \([L_e]\) - mH
- Semi-inductance \([K_e]\) - SH
- Shunt resistance \([R_{ss}]\) - \(\Omega\)

Mechanical Data:
- Force Factor \([B_l]\) - Tm
- Moving mass \([M_{ms}]\) - g
- Compliance \([C_{ms}]\) - mm/N
- Mechanical resistance \([R_{ms}]\) - kg/s
- Admittance \([A_{ms}]\) - mm/N