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 finesse - 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:**

- High Output 92.5dB @ 2.83V
- Coated NRSC Fibre Glass Cone
- Low Damping SBR Rubber Surround
- Low Resonance Freq. 30Hz
- Magnet System w. Alu Ring
- Die cast Alu Chassis vented below spider

**T-S Parameters**

- Resonance frequency [fs]: 30 Hz
- Mechanical Q factor [Qms]: 3.70
- Electrical Q factor [Qes]: 0.37
- Total Q factor [Qts]: 0.34
- Force factor [Bl]: 6 Tm
- Mechanical resistance [Rms]: 1.19 kg/s
- Moving mass [Mms]: 23.7 g
- Suspension compliance [Cms]: 1.23 mm/N
- Effective diaph. diameter [D]: 173 mm
- Effective piston area [Sd]: 235 cm²
- Equivalent volume [Vas]: 95.0 l
- Sensitivity (2.83V/1m): 92.4 dB
- Ratio Bl/vRe: 3.46 N/V/W
- Ratio fs/Qts: 88 Hz

**Electrical Data**

- Nominal impedance [Zn]: 4 Ω
- Minimum impedance [Zmin]: 3.7 Ω
- Maximum impedance [Zo]: 33.0 Ω
- DC resistance [Re]: 3 Ω
- Voice coil inductance [Le]: 0.33 mH

**Power Handling**

- 100h RMS noise test (IEC 17.1): 70 W
- Long-term max power (IEC 17.3): 120 W

**Voice Coil and Magnet Data**

- Voice coil diameter: 38 mm
- Voice coil height: 17.3 mm
- Voice coil layers: 2
- Height of gap: 6 mm
- Linear excursion: ± 5.7 mm
- Max mech. excursion: ± 12 mm
- Unit weight: 2.1 kg

**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.
Advanced Parameters (Preliminary)

**Electrical data:**
- Resistance \([R_e']\) 3.67 Ω
- Free inductance \([L_{eb}]\) 0.0886 mH
- Bound inductance \([L_e]\) 0.652 mH
- Semi-inductance \([K_e]\) 0.0174 SH
- Shunt resistance \([R_{ss}]\) 2289 Ω

**Mechanical Data:**
- Force Factor \([B_l]\) 4.98 Tm
- Moving mass \([M_{ms}]\) 18.4 g
- Compliance \([C_{ms}]\) 0.966 mm/N
- Mechanical resistance \([R_{ms}]\) 0.062 kg/s
- Admittance \([A_{ms}]\) 0.116 mm/N