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:**

- High Output 90.5 dB @ 2.83V
- Coated NRSC Fibre Glass Cone
- Die cast Alu Chassis vented below spider
- Excellent Midrange Performance
- Low Damping SBR Rubber Surround

**T-S Parameters**

- Resonance frequency [fs] 44 Hz
- Mechanical Q factor [Qms] 3.73
- Electrical Q factor [Qes] 0.22
- Total Q factor [Qts] 0.21
- Force factor [Bl] 5.4 Tm
- Mechanical resistance [Rms] 0.60 kg/s
- Moving mass [Mms] 8.1 g
- Suspension compliance [Cms] 1.62 mm/N
- Effective diaph. diameter [D] 101 mm
- Effective piston area [Sd] 80 cm²
- Equivalent volume [Vas] 14.5 l
- Sensitivity (2.83V/1m) 90.6 dB
- Ratio Bl/vRe 3.17 N/V/W
- Ratio fs/Qts 212 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 21, 2011.

**Electrical Data**

- Nominal impedance [Zn] 4 Ω
- Minimum impedance [Zmin] 4.1 Ω
- Maximum impedance [Zo] 52.1 Ω
- DC resistance [Re] 2.9 Ω
- Voice coil inductance [Le] 0.4 mH

**Power Handling**

- 100h RMS noise test (IEC 17.1) 60 W
- Long-term max power (IEC 17.3) 120 W

**Voice Coil and Magnet Data**

- Voice coil diameter 25 mm
- Voice coil height 10.5 mm
- Voice coil layers 2
- Height of gap 5 mm
- Linear excursion ± 2.8 mm
- Max mech. excursion ± 8 mm
- Unit weight 1 kg
Advanced Parameters (Preliminary)

**Electrical data:**
- Resistance [$\text{Re}'$] $3.28 \, \Omega$
- Free inductance [$\text{Leb}$] $0.0255 \, \text{mH}$
- Bound inductance [$\text{Le}$] $0.563 \, \text{mH}$
- Semi-inductance [$\text{Ke}$] $0.0609 \, \text{SH}$
- Shunt resistance [$\text{Rss}$] $2289 \, \Omega$

**Mechanical Data**
- Force Factor [$\text{Bl}$] $5.01 \, \text{Tm}$
- Moving mass [$\text{Mms}$] $7.91 \, \text{g}$
- Compliance [$\text{Cms}$] $1.39 \, \text{mm/N}$
- Mechanical resistance [$\text{Rms}$] $0.251 \, \text{kg/s}$
- Admittance [$\text{Ams}$] $0.260 \, \text{mm/N}$