WOOFER 26W/8534G00

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:

- Black Anodized Alu Cone
- Magnet System w. Alu Ring
- Low Resonance Freq. 23Hz
- Coated Fibre Glass Dust Cap
- Die cast Alu Chassis vented below spider

**T-S Parameters**
- Resonance frequency \([fs]\) 23 Hz
- Mechanical Q factor \([Qms]\) 9.12
- Electrical Q factor \([Qes]\) 0.42
- Total Q factor \([Qts]\) 0.40
- Force factor \([Bl]\) 10.1 Tm
- Mechanical resistance \([Rms]\) 0.80 kg/s
- Moving mass \([Mms]\) 50.5 g
- Suspension compliance \([Cms]\) 0.95 mm/N
- Effective diaph. diameter \([D]\) 211 mm
- Effective piston area \([Sd]\) 350 cm²
- Equivalent volume \([Vas]\) 150 l
- Sensitivity (2.83V/1m) 89 dB
- Ratio Bl/VRe 4.23 N/V/W
- Ratio fs/Qts 57.5 Hz

**Electrical Data**
- Nominal impedance \([Zn]\) 8 Ω
- Minimum impedance \([Zmin]\) 6.4 Ω
- Maximum impedance \([Zo]\) 117 Ω
- DC resistance \([Re]\) 5.7 Ω
- Voice coil inductance \([Le]\) 0.96 mH

**Power Handling**
- 100h RMS noise test (IEC 17.1) 80 W
- Long-term max power (IEC 17.3) 150 W

**Voice Coil and Magnet Data**
- Voice coil diameter 38 mm
- Voice coil height 18 mm
- Voice coil layers 2
- Height of gap 6 mm
- Linear excursion ± 6 mm
- Max mech. excursion ± 12 mm
- Unit weight 2.9 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: May 5, 2011
**Advanced Parameters (Preliminary)**

**Electrical data**
- Resistance \( [R] \) 6.08 Ω
- Free inductance \( [L_{eb}] \) 0.0726 mH
- Bound inductance \( [L_e] \) 1.154 mH
- Semi-inductance \( [K_e] \) 0.1434 SH
- Shunt resistance \( [R_{ss}] \) 2290 Ω

**Mechanical Data**
- Force Factor \( [B] \) 9.60 Tm
- Moving mass \( [M_{ms}] \) 52.35 g
- Compliance \( [C_{ms}] \) 0.862 mm/N
- Mechanical resistance \( [R_{ms}] \) 0.151 kg/s
- Admittance \( [A_{ms}] \) 0.0713 mm/N

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*ScanSpeak*

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