PASSIVE RADIATOR

The Revelator woofers and subwoofers features very rigid cones in paper or aluminium that operates as a piston over a wide frequency range, it results in very low distortion and a smooth and well behaved frequency response as well as perfect transient reproduction.

KEY FEATURES:
- Optimized for 23W/4557T00
- Silver Anodized Rigid Alu Cone
- Die cast Alu Chassis
- Adjustable Weight for Optimum Freq
- Long Throw Surround

**T-S Parameters**
- Resonance frequency [fs] 11 Hz
- Mechanical Q factor [Qms] 11.50
- Electrical Q factor [Qes] -
- Total Q factor [Qts] -
- Force factor [Bl] - Tm
- Mechanical resistance [Rms] 2.29 kg/s
- Moving mass [Mms] 400 g
- Suspension compliance [Cms] 0.57 mm/N
- Effective diaph. diameter [D] 172 mm
- Effective piston area [Sd] 232 cm²
- Equivalent volume [Vas] 43.3 l
- Sensitivity (2.83V/1m) - dB
- Ratio Bl/√Re - N/√W
- Ratio fs/Qts - Hz

**Electrical Data**
- Nominal impedance [Zn] - Ω
- Minimum impedance [Zmin] - Ω
- Maximum impedance [Zo] - Ω
- DC resistance [Re] - Ω
- Voice coil inductance [Le] - mH

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

**Voice Coil and Magnet Data**
- Voice coil diameter - mm
- Voice coil height - mm
- Voice coil layers -
- Height of gap - mm
- Linear excursion ± - mm
- Max mech. excursion ± 20 mm
- Unit weight 1.2 kg

---

**Notes:**
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: February 24, 2011.
**PASSIVE RADIATOR**

**Advanced Parameters (Preliminary)**

**Electrical data:**
- Resistance \([Re']\) \(\Omega\)
- Free inductance \([Leb]\) \(mH\)
- Bound inductance \([Le]\) \(mH\)
- Semi-inductance \([Ke]\) \(SH\)
- Shunt resistance \([Rss]\) \(\Omega\)

**Mechanical Data:**
- Force Factor \([Bl]\) \(Tm\)
- Moving mass \([Mms]\) \(400 \text{ g}\)
- Compliance \([Cms]\) \(0.395 \text{ mm/N}\)
- Mechanical resistance \([Rms]\) \(1.893 \text{ kg/s}\)
- Admittance \([Ams]\) \(0.00994 \text{ mm/N}\)