The new Peerless HDS product line continues the tradition of Peerless’ High Definition Sound (HDS) products. A powerful ferrite magnet system is coupled to a finite element analysis designed suspension system, containing both a linear spider design and a rubber surround. The motor contains an aluminium shorting ring, which reduces coil inductance, thus providing both extended frequency response performance and reduced distortion. The long-throw voice coil ensures linear high excursion performance, needed for signal clarity. The cone necks are vented so as to reduce air compression effects under high excursion conditions. The cast aluminium basket offers structural rigidity, heat sinking capacity for the motor, and additional air venting under the spider so as to again reduce air compression effects. The cone in this model is aluminium, offering a unique visual and acoustic experience.

Specifications:

- **DC Resistance**: $R_{dc}$ Ω 5.9
- **Minimum Impedance**: $Z_{min}$ Ω 6.2
- **Voice Coil Inductance**: $L_v$ mH 0.24
- **Resonant Frequency**: $f_r$ Hz 72
- **Mechanical Q Factor**: $Q_m$ - 3.2
- **Electrical Q Factor**: $Q_e$ - 0.82
- **Total Q Factor**: $Q_t$ - 0.85
- **Ratio $f_r/Q_m$**: $f_r/Q_m$ 110
- **Half Space Sensitivity @ 2.83V**: dB @ 2.83V/1m 86.1
- **Rated Noise Power (IEC 2685 18.1)**: P W 30

**Frequency and Impedance Response:**

- **Frequency Response (dB)**: -50 to 10000 Hz
- **Impedance (Ω)**: -50 to 10000 Hz

---

**Mechanical 2D Drawing:**

---

**Address**: Room 1307-8 Dominion Centre, 43-59 Queen’s Rd East, Wanchai, Hong Kong

**E-mail**: sales@tymphany.com