

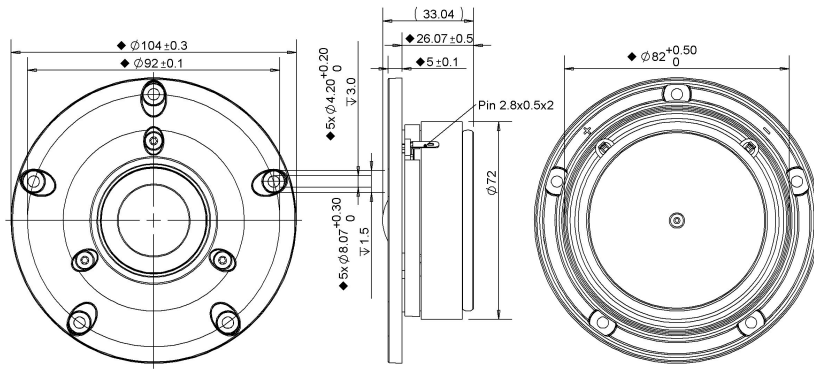
● Ferrite Magnet

● Silk Diaphragm

● Silk Surround

● High Sensitivity

● Faceplate

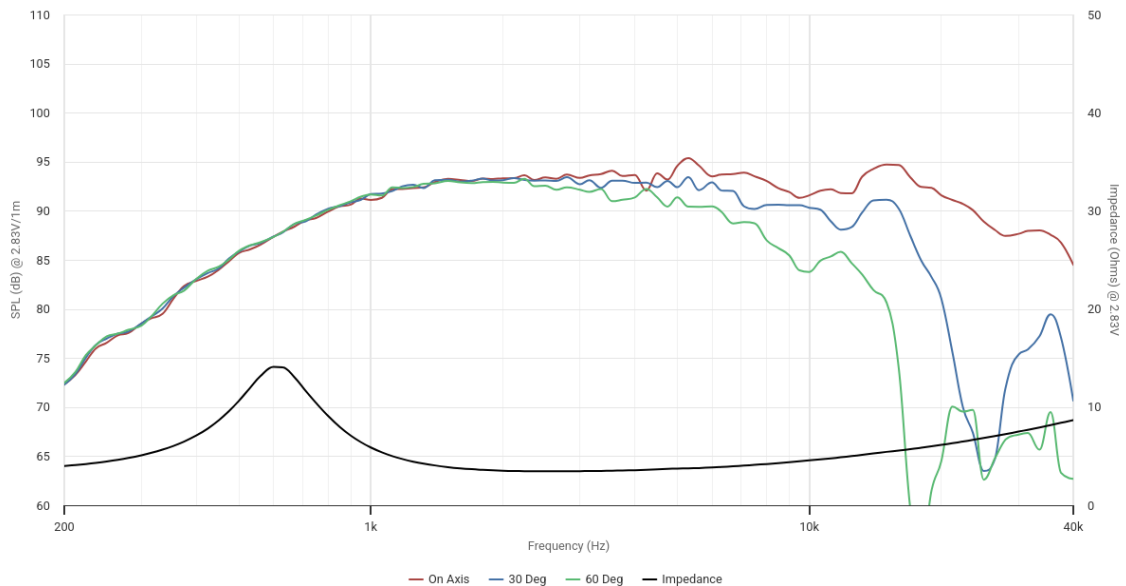


### SPECIFICATIONS

|                                            |                                   |              |
|--------------------------------------------|-----------------------------------|--------------|
| Transducer Size                            | 25                                | mm           |
| Impedance                                  | 4                                 | Ω            |
| Frequency Range <sup>1</sup>               | 800 - 20000                       | Hz           |
| Sensitivity <sup>2</sup> (2.83V   1W @ 1m) | 93.4   90.4                       | dB           |
| Power Rating (IEC 268-5)                   | 15                                | W            |
| Voice Coil Size                            | 25.8                              | mm           |
| Air Gap   Winding Height                   | H <sub>ag</sub>   H <sub>vc</sub> | 2.5   2.2 mm |
| Net Weight                                 | 0.49                              | kg           |

### PARAMETERS <sup>3</sup>

|                                  |                  |       |                                    |
|----------------------------------|------------------|-------|------------------------------------|
| Eff. Piston Area                 | S <sub>d</sub>   | 6.61  | cm <sup>2</sup>                    |
| DC Resistance                    | R <sub>e</sub>   | 3     | Ω                                  |
| Minimum Impedance                | Z <sub>min</sub> | 3.5   | Ω                                  |
| Inductance                       | L <sub>e</sub>   | 0.035 | mH                                 |
| Resonance Frequency <sup>4</sup> | F <sub>s</sub>   | 590   | Hz                                 |
| Mechanical Q Factor              | Q <sub>ms</sub>  | 2.16  | -                                  |
| Electrical Q Factor              | Q <sub>es</sub>  | 0.609 | -                                  |
| Total Q Factor                   | Q <sub>ts</sub>  | 0.48  | -                                  |
| Moving Mass                      | M <sub>ms</sub>  | 0.333 | g                                  |
| Compliance                       | C <sub>ms</sub>  | 220   | μm/N                               |
| Equivalent Volume                | V <sub>as</sub>  | 0.013 | L                                  |
| Motor Force Factor               | Bl               | 2.48  | Tm                                 |
| Motor Efficiency                 | β                | 2.04  | (Bl) <sup>2</sup> / R <sub>e</sub> |
| Linear Excursion <sup>5</sup>    | X <sub>max</sub> | 0.883 | mm                                 |



Details on this spec sheet are for reference only and should not be used for setting production limits. Specifications and product cosmetics are subject to change without notice. Peerless is a registered trademark of Tymphany Enterprises. All measurements conducted in test lab at 25°C ±10°C, 50%RH ±10%. <sup>1</sup> Specified by Engineering as linear working range of transducer. <sup>2</sup> Measured at 2.83V at 1m and normalized to 1W with respect to nominal impedance. <sup>3</sup> Measured in Free Air without preconditioning, therefore subject to some deviation. <sup>4</sup> Impedance and F<sub>s</sub> value measured under different conditions. <sup>5</sup> Equal/Overhung: (H<sub>vc</sub> - H<sub>ag</sub>)/2 + H<sub>ag</sub>/3. Underhung: (H<sub>ag</sub> - H<sub>vc</sub>)/2 + H<sub>vc</sub>/3. <sup>6</sup> Mechanically limited excursion (e.g. bottoming, spider crash).