

Model Number: H26TG-35-06  
Product Line: Peerless Silver

Revision: Rev 2\_0  
Date: 23-May-12

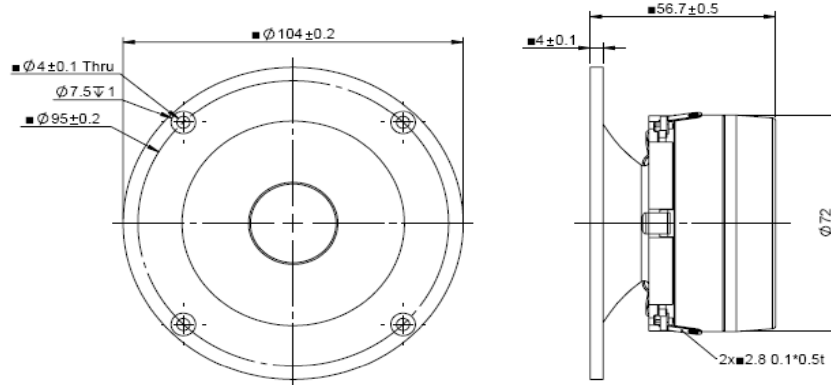


### Product Description:

This H family tweeter features an 25 mm 6 ohm voice coil, a treated silk dome, a large rear chamber for low resonant frequency, and a ferrofluid-cooled ferrite motor. The large motor and rear chamber allows for robust power handling capacity. The tweeter comes with a faceplate with recessed mounting holes, for easy installation into the desired application. The faceplate has a horn geometry for increased sensitivity.



### Mechanical 2D Drawing:

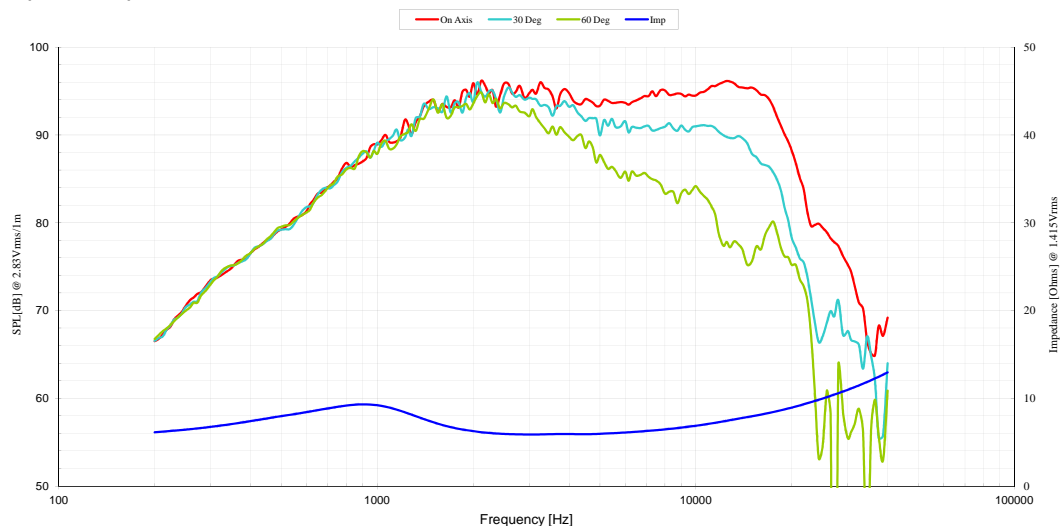


### Specifications:

|                                   |                  |                       |      |             |                            |                  |                               |        |
|-----------------------------------|------------------|-----------------------|------|-------------|----------------------------|------------------|-------------------------------|--------|
| DC Resistance                     | $R_{\text{evc}}$ | $\Omega$              | 3.9  | $\pm 7.5\%$ | Energy Bandwidth Product   | EBP              | $(1/Q_{\text{es}}) \cdot f_s$ | 1622   |
| Minimum Impedance                 | $Z_{\text{min}}$ | $\Omega$              | 5.9  | $\pm 7.5\%$ | Moving Mass                | $M_{\text{ms}}$  | g                             | 0.21   |
| Voice Coil Inductance             | $L_e$            | mH                    | 0.03 |             | Suspension Compliance      | $C_{\text{ms}}$  | um/N                          | 173.8  |
| Resonant Frequency                | $f_s$            | Hz                    | 832  | $\pm 20\%$  | Effective Cone Diameter    | D                | cm                            | 3.0    |
| Mechanical Q Factor               | $Q_{\text{ms}}$  | -                     | 0.6  |             | Effective Piston Area      | $S_D$            | cm <sup>2</sup>               | 7.1    |
| Electrical Q Factor               | $Q_{\text{es}}$  | -                     | 0.51 |             | Equivalent Volume          | $V_{\text{as}}$  | L                             | 0.012  |
| Total Q Factor                    | $Q_{\text{ts}}$  | -                     | 0.27 |             | Motor Force Factor         | BL               | T-m                           | 2.88   |
| Ratio $f_s / Q_{\text{ts}}$       | F                | $f_s / Q_{\text{ts}}$ | 3059 |             | Motor Efficiency Factor    | $\beta$          | $(T \cdot m^2) / \Omega$      | 2.15   |
| Half Space Sensitivity @ 2.83V    | dB@2.83V/1m      | dB                    | 94.9 | $\pm 1.0^1$ | Voice Coil Former Material | VC <sub>fm</sub> | -                             | ASV    |
| Sensitivity @ 1W/1m               | 1W/1m            | dB                    | 91.7 | $\pm 1.0^1$ | Voice Coil Inner Diameter  | VC <sub>d</sub>  | mm                            | 25.8   |
|                                   |                  |                       |      |             | Gap Height                 | Gh               | mm                            | 2.5    |
| Rated Noise Power (IEC 2685 18.1) | P                | W                     | 100  |             | Maximum Linear Excursion   | $X_{\text{max}}$ | mm                            | 0.45   |
| Test Spectrum Bandwidth           | 2.5KHz-20KHz     | 12 dB/Oct             |      |             | Ferrofluid Type            | FF               | -                             | APGL11 |
|                                   |                  |                       |      |             | Transducer Size            | -                | -                             | 25 mm  |
|                                   |                  |                       |      |             | Transducer Mass            | -                | Kg                            | 0.52   |

1 - Piston Band Sensitivity Tolerance

### Frequency and Impedance Response:



F088-0713A