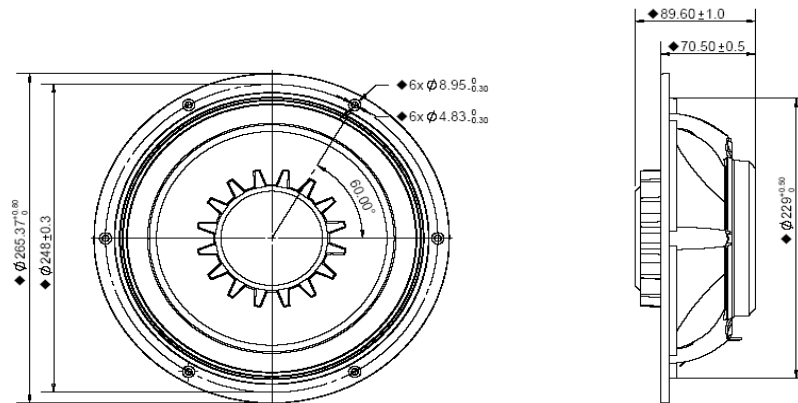




This 10 inch motor-above-cone (MAC) shallow subwoofer (SSW), features a cast aluminium basket for structural strength, and a heat-sinked neodymium motor for high power handling capability. The intended usage of this product is for in-wall applications.



Mechanical 2D Drawing:



Specifications:

|                                   |             |                |      |                            |           |                          |                   |
|-----------------------------------|-------------|----------------|------|----------------------------|-----------|--------------------------|-------------------|
| DC Resistance                     | $R_{vc}$    | $\Omega$       | 3.1  | Energy Bandwidth Product   | EBP       | $(1/Q_{es}) \cdot f_s$   | 61                |
| Minimum Impedance                 | $Z_{min}$   | $\Omega$       | 4.28 | Moving Mass                | $M_{ms}$  | g                        | 106.52            |
| Voice Coil Inductance             | $L_e$       | mH             | 0.91 | Suspension Compliance      | $C_{ms}$  | um/N                     | 204.4             |
| Resonant Frequency                | $f_s$       | Hz             | 34   | Effective Cone Diameter    | D         | cm                       | 20.0              |
| Mechanical Q Factor               | $Q_{ms}$    | -              | 6.8  | Effective Piston Area      | $S_D$     | cm <sup>2</sup>          | 314.2             |
| Electrical Q Factor               | $Q_{es}$    | -              | 0.55 | Equivalent Volume          | $V_{as}$  | L                        | 28.34             |
| Total Q Factor                    | $Q_{ts}$    | -              | 0.51 | Motor Force Factor         | BL        | T·m                      | 11.33             |
| Ratio $f_s / Q_{es}$              | F           | $f_s / Q_{es}$ | 66   | Motor Efficiency Factor    | $\beta$   | $(T \cdot m^2) / \Omega$ | 41.23             |
| Half Space Sensitivity @ 2.83V    | dB@2.83V/1m | dB             | 85.4 | Voice Coil Former Material | $VC_{fm}$ | -                        | TiI / glass fiber |
| Rated Noise Power (IEC 2685 18.1) | P           | W              | 160  | Voice Coil Inner Diameter  | $VC_d$    | mm                       | 51.32             |
| Test Spectrum Bandwidth           | 20~500      | 12 dB/Oct      |      | Maximum Linear Excursion   | $X_{max}$ | mm                       | 9.25              |
|                                   |             |                |      | Transducer Mass            | -         | kg                       | 2.34              |

Frequency and Impedance Response:

