Electrical data

Nominal impedance \( Z_n \) 8 (ohm)
Minimum imp. /at freq. \( Z_{min} \) 6.5/365 (ohm/Hz)
Maximum impedance \( Z_o \) 33.1 (ohm)
DC resistance \( R_e \) 6.0 (ohm)
Voice coil inductance \( L_e \) 0.9 (mH)

TS Parameters

Resonance Frequency \( f_s \) 61.5 (Hz)
Mechanical Q factor \( Q_{ms} \) 2.32
Electrical Q factor \( Q_{es} \) 0.51
Total Q factor \( Q_{ts} \) 0.42

Force factor \( B_l \) 6.1 (Tm)
Mechanical resistance \( R_{ms} \) 1.35 (Kg/s)
Moving mass \( M_{ms} \) 8.1 (g)
Suspens. compliance \( C_{ms} \) 0.82 (mm/N)
Effective cone diam. \( D \) 10.5 (cm)
Effective piston area \( S_d \) 87 (cm²)
Equivalent volume \( V_{as} \) 8.6 (litres)
SPL 2.83V/1m at fmin 88.5 (dB)

Voice coil and magnet parameters

Voice coil diameter 26.0 (mm)
Voice coil length 13.0 (mm)
Voice coil layers 2
Height of the gap 6.0 (mm)
Linear excursion +/− 3.5 (mm)
Max mech. excursion +/− (mm)
Total useful flux (mAwb)
Diameter of magnet 72±72 (mm)
Height of magnet 15±10 (mm)
Weight of magnet 0.23±0.16 (kg)

Factors

Ratio \( f_s/Q_{ts} \) 146
Ratio \( B_l/\sqrt{R_e} \) 2.5

Power handling

100h RMS noise test (IEC) (W)
Longterm Max System Power (IEC) (W)
IEC268-5 noise signal is used for the power test.