

● *Compact model: ASDFL1000-0400*

This 50mm compact driver is designed for portable bluetooth speaker, with 0.76" voice coil copper wire, Kapton former, paper cone and rubber surround. The Kapton former and basket under spider are vented hole so as to reduce air compression effects and aid cooling of the motor under high excursion conditions. It contains dual Neo magnet system which provides maximum flux in a compact package, the waterproofing grate is IPX7, and low THD.

● *Transducer front and side images:*



● *Specifications:*

T-S Parameters

Resonance frequency [fs]	137 Hz
Mechanical Q factor [Qms]	8.72
Electrical Q factor [Qes]	0.51
Total Q factor [Qts]	0.48
Force factor [Bl]	3.58 Tm
Mechanical resistance [Rms]	0.21 kg/s
Moving mass [Mms]	2.00 g
Compliance [Cms]	0.65 mm/N
Effective diaph. diameter [D]	37.8 mm
Effective piston area [Sd]	11.22 cm ²
Equivalent volume [Vas]	0.11 l
Sensitivity (2.83V/1m)	80 dB
Ratio Bl/√Re	0.95 N/√W
Ratio fs/Qts	275.1 Hz

Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.8 Ω
Maximum impedance [Zo]	35.5 Ω
DC resistance [Re]	3.6 Ω
Voice coil inductance [Le]	0.24 mH

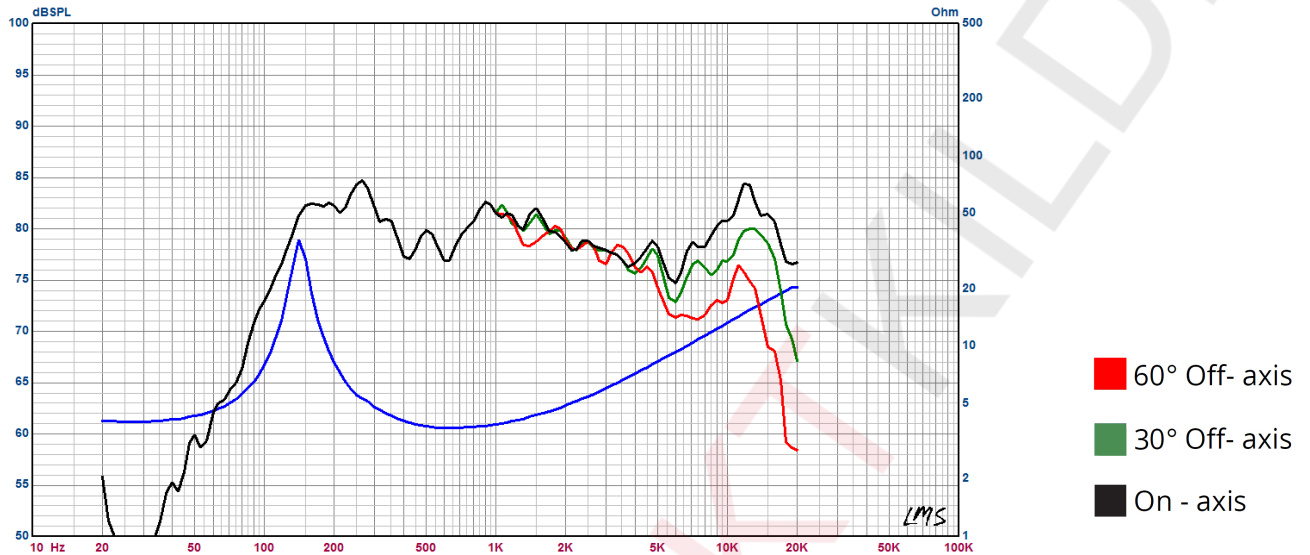
Power Handling

100h RMS noise test (IEC 17.1)	10 W
Long-term max power (IEC 17.3)	- W

Voice Coil & Magnet Data

Voice coil diameter	19.4 mm
Voice coil height	6.4 mm
Voice coil layers	2
Height of gap	3 mm
Linear excursion	± 1.7 mm
Max mech. excursion	± - mm
Unit weight	0.071 kg

Frequency Response / Impedance Curve:



Transducer front and side images:

