

● *Compact model: ASDFL1000-0400*

This 2 inch compact driver is designed for portable bluetooth driver, with 0.8 inch voice coil CCAW wire, Kapton former, paper cone and rubber surround. The Kapton former and basket under spider are vented holes so as to reduce air compression effects and aid cooling of the motor under high excursion conditions. It contains a dual Neodymium magnet motor system which provides maximum flux in a compact package, the waterproofing grade 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 | 1.89 N/√W |
| Ratio fs/Qts | 285.4 Hz |

Electrical Data

| | |
|----------------------------|---------|
| Nominal impedance [Zn] | 4 Ω |
| Minimum impedance [Zmin] | 3.8 Ω |
| Maximum impedance [Zo] | 36.3 Ω |
| DC resistance [Re] | 3.6 Ω |
| Voice coil inductance [Le] | 0.24 mH |

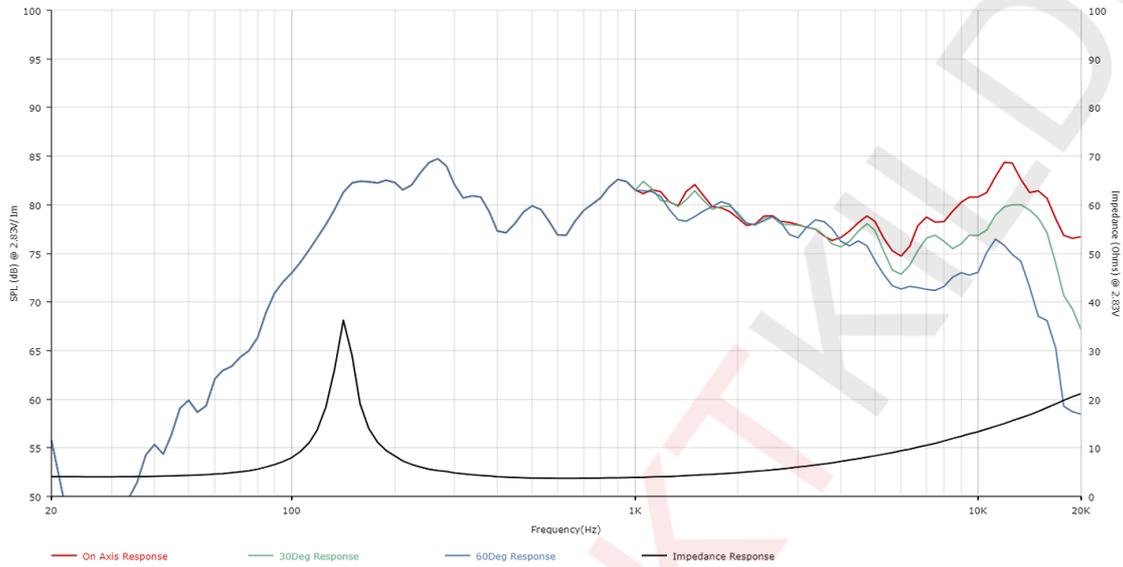
Power Handling

| | |
|--------------------------------|------|
| 100h RMS noise test (IEC 18.4) | 10 W |
| Long-term max power (IEC 18.2) | - 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 | ± 4.0 mm |
| Unit weight | 0.071 kg |

● Frequency Response / Impedance Curve:



● Transducer front and side images:

