PUNKTKILDE™

Datasheet updated: 09-03-2020

Fullrange model: FSA011020–0401

This 2inch 4ohm full range driver, with 0.76" voice coil copper wire, Kapton former, paper cone and damped NBR rubber surround. It contains dual Neo magnet system which provides maximum flux in a compact package. 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.

Transducer front and side images:

Specifications:

T-S Parameters

Resonance frequency [fs]	149.5 Hz
Mechanical Q factor [Qms]	10.06
Electrical Q factor [Qes]	0.547
Total Q factor [Qts]	0.519
Force factor [Bl]	3.819 Tm
Mechanical resistance [Rms]	0.225 kg/s
Moving mass [Mms]	2.47 g
Compliance [Cms]	0.471 mm/N
Effective diaph. diameter [D]	41 mm
Effective piston area [Sd]	13.2 cm²
Equivalent volume [Vas]	0.116 l
Sensitivity (2.83V/1m)	83 dB
Ratio Bl/√Re	2.03 N/√W
Ratio fs/Qts	288 Hz

Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.4 Ω
Maximum impedance [Zo]	61.171 Ω
DC resistance [Re]	3.53 Ω
Voice coil inductance [Le]	0.151 mH

Power Handling

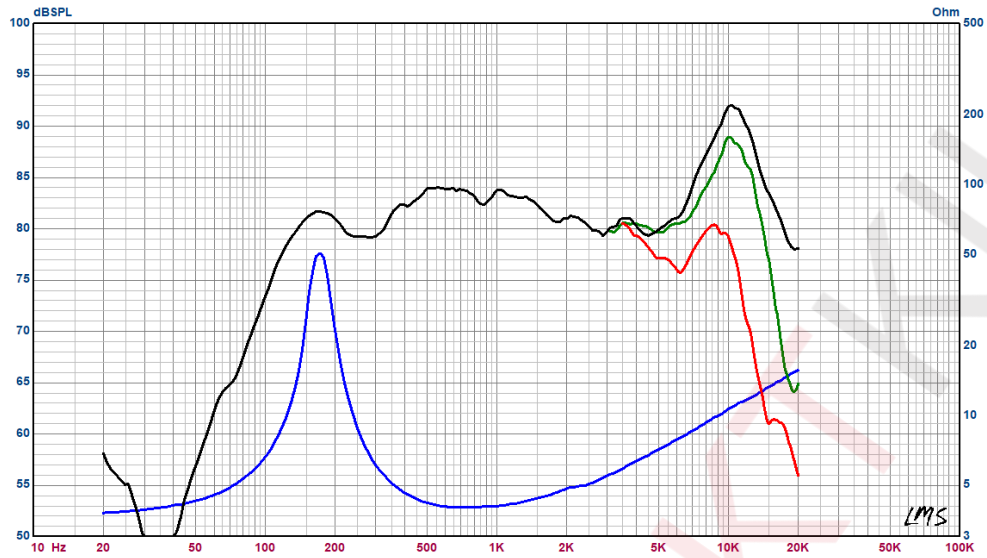
100h RMS noise test (IEC 17.1)	10 W
Long-term max power (IEC 17.3)	- W

Voice Coil & Magnet Data

Voice coil diameter	19.4 mm
Voice coil height	8.6 mm
Voice coil layers	2
Height of gap	4.0 mm
Linear excursion	± 2.3 mm
Max mech. excursion	± - mm
Unit weight	0.085 kg

Datasheet updated: *09-03-2020*

Frequency Response / Impedance Curve:



60° Off- axis

30° Off- axis

On - axis

Transducer front and side images: