PUNKTKILDE®

Datasheet updated: 16-03-2020

Tweeter model: FSA041510-0401

This compact Tweeter features an 4 ohm 0.8 inch voice coil, a textile dome diaphragm, Neodymium magnet motor to produce a compact motor, and a metal rear chamber to provide both a low resonant frequency and added heat sinking for power handling capacity. the product is designed to fit into small applications, while providing excellent dynamic sound quality.

Transducer front and side images:

Specifications:

T-S Parameters

Resonance frequency [fs]	1000 Hz
Mechanical Q factor [Qms]	1.023
Electrical Q factor [Qes]	3.098
Total Q factor [Qts]	0.769
Force factor [Bl]	0.99 Tm
Mechanical resistance [Rms]	0.891 kg/s
Moving mass [Mms]	0.135 g
Compliance [Cms]	0.163 mm/N
Effective diaph. diameter [D]	23.5 mm
Effective piston area [Sd]	4.34 cm²
Equivalent volume [Vas]	0.0043 l
Sensitivity (2.83V/1m)	87 dB
Ratio Bl/√Re	0.53 N/√W
Ratio fs/Qts	1300 Hz

Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.587 Ω
Maximum impedance [Zo]	4.382 Ω
DC resistance [Re]	3.3 Ω
Voice coil inductance [Le]	0.019 mH

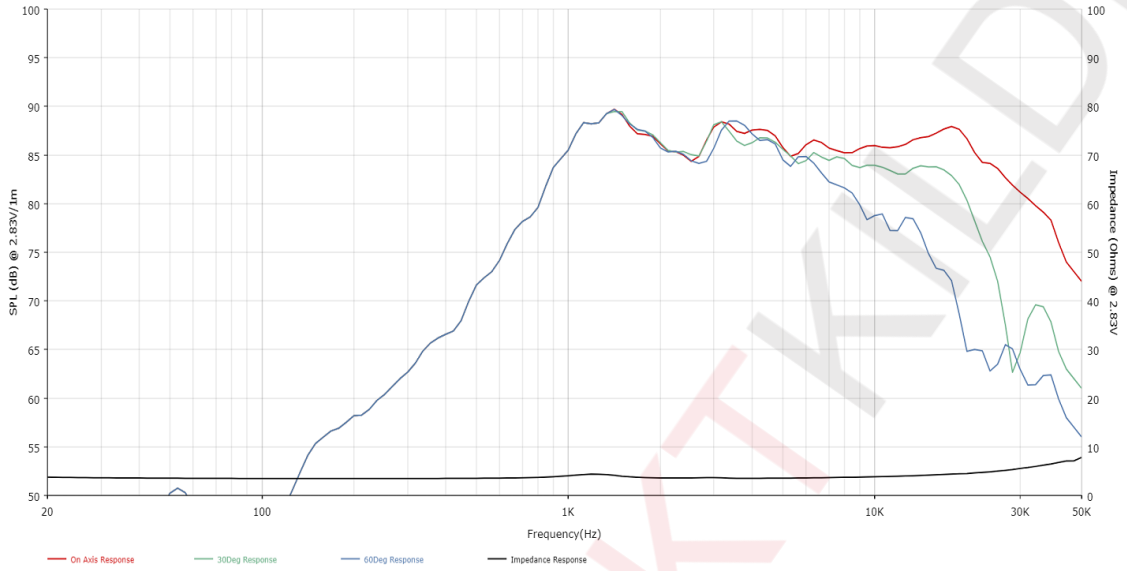
Power Handling

100h RMS noise test (IEC 18.4)	15 W
Long-term max power (IEC 18.2)	- W

Voice Coil & Magnet Data

Voice coil diameter	19.4 mm
Voice coil height	1.5 mm
Voice coil layers	2
Height of gap	2 mm
Linear excursion	± 0.25 mm
Max mech. excursion	± - mm
Unit weight	0.026 kg

Frequency Response / Impedance Curve:



Transducer front and side images: