PUNKTKILDE™

Datasheet updated: 09-03-2020

Tweeter model: FSA044010-0802

This compact tweeter features a 8ohm 1'' voice coil, a damped Titanium dome diaphragm and dual Neo magnet. The tweeter features CCAW which extend high frequency response 20Khz.The faceplate features a recessed mounting holes to minimize reflections.

Transducer front and side images:

Specifications:

T-S Parameters	
Resonance frequency [fs]	2000 Hz
Mechanical Q factor [Qms]	0.84
Electrical Q factor [Qes]	2.59
Total Q factor [Qts]	0.64
Force factor [Bl]	3.05 Tm
Mechanical resistance [Rms]	3.63 kg/s
Moving mass [Mms]	0.25 g
Compliance [Cms]	0.03 mm/N
Effective diaph. diameter [D]	29.8 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.0018 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	1.09 N/√W
Ratio fs/Qts	3139.7 Hz

Electrical Data	
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.9 Ω
Maximum impedance [Zo]	10.6 Ω
DC resistance [Re]	7.9 Ω
Voice coil inductance [Le]	0.04 mH

Power Handling	
100h RMS noise test (IEC 17.1)	30 W
Long-term max power (IEC 17.3)	- W

Voice Coil & Magnet Data	
Voice coil diameter	25.4 mm
Voice coil height	1.9 mm
Voice coil layers	2
Height of gap	2 mm
Linear excursion	± 0.05 mm
Max mech. excursion	± - mm
Unit weight	0.0731 kg

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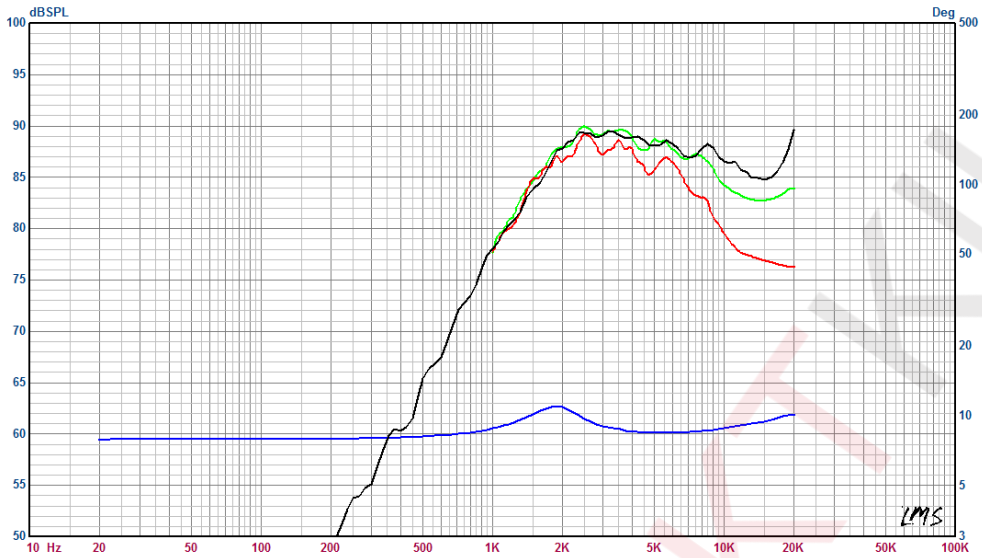
Frequency Response / Impedance Curve:



60° Off- axis

30° Off- axis

On - axis

Transducer front and side images: