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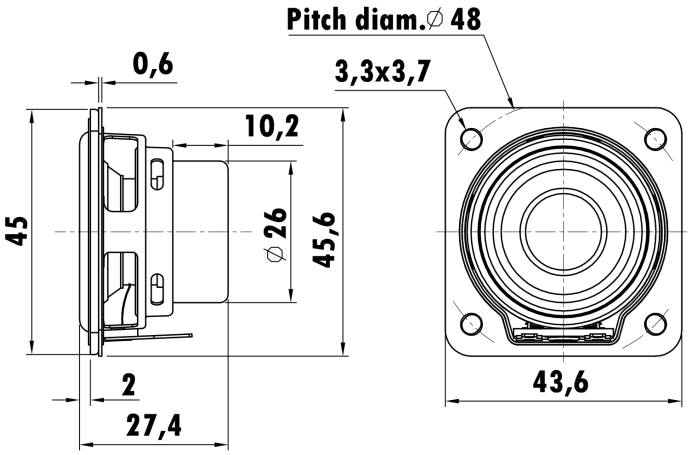
Datasheet updated: 09-11-2017

Standard Transducers
Compact / FSA510515-1402

1.5", Steel Frame
0.8" CCAW Voice Coil, Kapton Former
Paper Cone,Rubber Surround, Aluminum Center Cap
Dual Neodymium Magnet Motor System
Waterproof Driver
Wide Frequency Range, Low Distortion (<3%)



T-S Parameters

Resonance frequency [fs]	190 Hz
Mechanical Q factor [Qms]	7.564
Electrical Q factor [Qes]	0.705
Total Q factor [Qts]	0.645
Force factor [Bl]	2.550 Tm
Mechanical resistance [Rms]	0.172 kg/s
Moving mass [Mms]	1.034 g
Compliance [Cms]	0.614 mm/N
Effective diaph. diameter [D]	33 mm
Effective piston area [Sd]	8.55 cm²
Equivalent volume [Vas]	0.0635 l
Sensitivity (2.83V/1m)	81 dB
Ratio Bl/√Re	0.027 N/√W
Ratio fs/Qts	294 Hz

Electrical Data

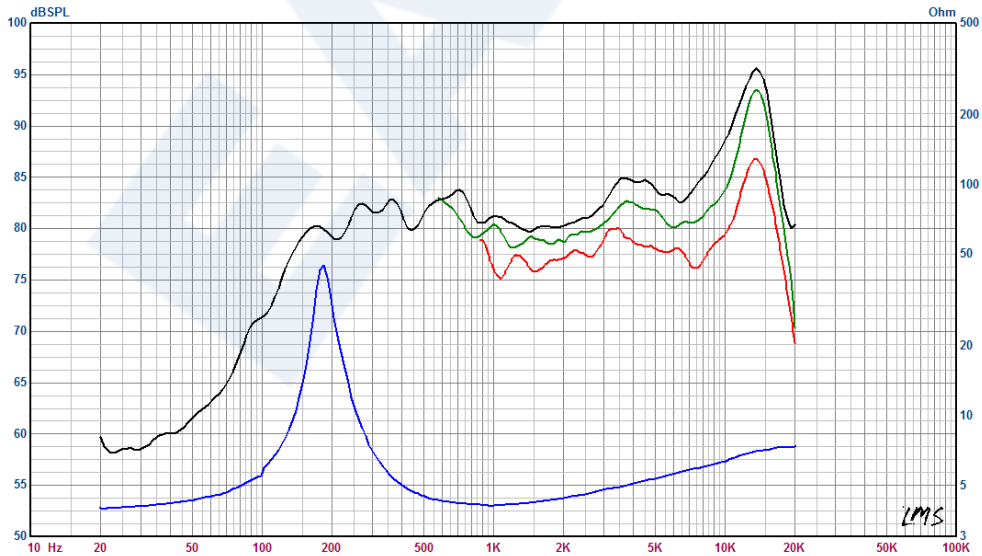
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.9 Ω
Maximum impedance [Zo]	44.9 Ω
DC resistance [Re]	3.5 Ω
Voice coil inductance [Le]	0.051 mH

Power Handling

100h RMS noise test (IEC 17.1)	5 W
Long-term max power (IEC 17.3)	- W

Voice Coil & Magnet Data

Voice coil diameter	19.4 mm
Voice coil height	6.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 1.8 mm
Max mech. excursion	± - mm
Unit weight	0.053 kg



60° Off- axis

30° Off- axis

On - axis

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