PUNKTKILDE™

Datasheet updated: 09-03-2020

Subwoofer model: FSB12A265-0300

This 6.5inch 3ohm subwoofer driver features a powerful ferrite magnet with bump bottom plate, supporting high excursion, and Al shorting ring lower coil inductance and distortion. The long-throw voice coil ensures linear high excursion. Steel frame under spider and bottom plate venting so as to reduce air compression effects.

Transducer front and side images:

Specifications:

T-S Parameters	
Resonance frequency [fs]	49 Hz
Mechanical Q factor [Qms]	6.111
Electrical Q factor [Qes]	0.420
Total Q factor [Qts]	0.393
Force factor [Bl]	9.528 Tm
Mechanical resistance [Rms]	2.064 kg/s
Moving mass [Mms]	40.994 g
Compliance [Cms]	0.258 mm/N
Effective diaph. diameter [D]	125.25 mm
Effective piston area [Sd]	123.21 cm²
Equivalent volume [Vas]	5.5350 l
Sensitivity (2.83V/1m)	86 dB
Ratio Bl/√Re	5.48 N/√W
Ratio fs/Qts	124.681 Hz

Electrical Data	
Nominal impedance [Zn]	3 Ω
Minimum impedance [Zmin]	4.176 Ω
Maximum impedance [Zo]	43.587 Ω
DC resistance [Re]	3.02 Ω
Voice coil inductance [Le]	0.750 mH

Power Handling	
100h RMS noise test (IEC 17.1)	120 W
Long-term max power (IEC 17.3)	- W

Voice Coil & Magnet Data	
Voice coil diameter	30.5 mm
Voice coil height	23.3 mm
Voice coil layers	4
Height of gap	6 mm
Linear excursion	± 8.65 mm
Max mech. excursion	± - mm
Unit weight	2.176 kg

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Frequency Response / Impedance Curve:

60° Off- axis

30° Off- axis

On - axis

Transducer front and side images: