Speaker

multicompPRO

Description

The MP- SUBS11580 4.5 inch, 80-Watt, 4Ω is a ferrite powered bass subwoofer speaker specially designed for wide DIY and gaming machine applications. Its high build quality and easy installation makes it suitable for home audio DIY. MP-SUBS11580 features PP paper cone and aluminum dust cap specially equipped with strong Santoprene surround to produce long excursion of the speaker cone. It comes with dual coil configuration for high input power. It produces small equivalent volume which provides very high sound pressure in low profile. It features four mounting holes on the front frame, which makes it easy to be installed into any cabinet.

Specification

T-S Parameters:

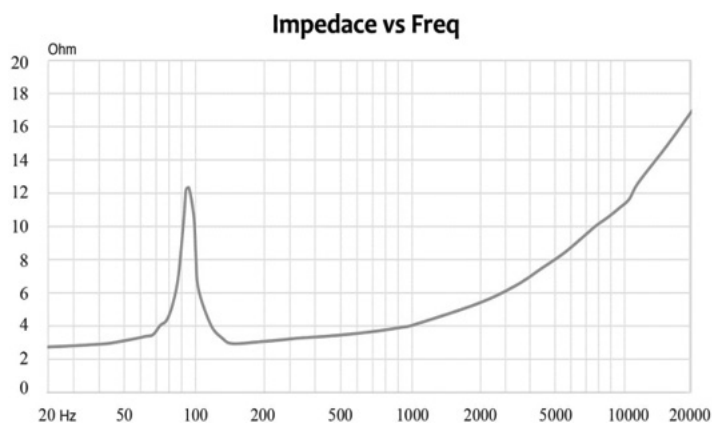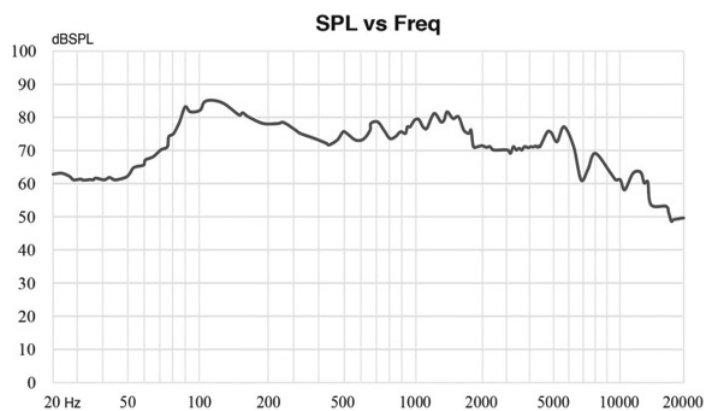|	
Resonance frequency [fs]	: 70Hz
Mechanical Q factor [Qms]	: 2.27
Electrical Q factor [Qes]	: 1.27
Total Q factor [Qts]	: 0.81
Force factor [Bl]	: 3.84Tm
Mechanical resistance [Rms]	: 1.16kg/s
Moving mass [Mms]	: 16.49g
Compliance [Cms]	: 18.98mcm/N
Effective diaph. diameter [D]	: 98mm
Effective piston area [Sd]	: 75.43cm²
Sensitivity (2,83V/1m)	: 81.3dB

Electrical Data:

Normal impedance [Zn]	: 3.55Ω at 1kHz
Minimum impedance [Zmin]	: 2.24 Ω
Maximum impedance [Zo]	: 16.05Ω
DC resistance [Re]	: 2.11Ω
Voice coil inductance [Le]	: 0.31mH at 1kHz

Mechanical Data

Voice coil diameter	: 30.5mm
Voice coil height	: 8mm
Voice coil layer	: 1
Gap height	: 5mm
Linear excursion	: ±5mm
Max mech. excursion	: ±8mm
Unit weight	: 900g
Driver displacement volume	: 0.12L

Power Handling

Rated power input (IEC 268-5)	: 40+40W
Max power input (IEC 268-5)	: 60+60W

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SPL vs Freq

Impedace vs Freq

Part Number Table

Description	Part Number
Speaker, Ferrite Powered, 4.5", 80W, 4Ω	MP-SUBS11580

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