PUNKTKILDE™

Datasheet updated: 23-03-2020

Woofer model: FSIWD1035–0401

This 3.5 inch Woofer, The main design features include a mineral-filled plastic basket, and a venting dual Neodymium magnet motor system. Ferro-fluid cooled to further lowering the distortion level. Main cone body uses black Anodized Aluminum cone, with a one-piece Anodized Aluminum dust cap, which is directly coupled to the voice coil. This product is designed for portable and compact system applications.

Transducer front and side images:

Specifications:

T-S Parameters

Resonance frequency [fs]	103.4 Hz
Mechanical Q factor [Qms]	3.478
Electrical Q factor [Qes]	0.700
Total Q factor [Qts]	0.583
Force factor [Bl]	5.292 Tm
Mechanical resistance [Rms]	1.658 kg/s
Moving mass [Mms]	8.877 g
Compliance [Cms]	0.267 mm/N
Effective diaph. diameter [D]	84 mm
Effective piston area [Sd]	43.01 cm²
Equivalent volume [Vas]	0.699 l
Sensitivity (2.83V/1m)	83 dB
Ratio Bl/√Re	2.87 N/√W
Ratio fs/Qts	177.36 Hz

Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.3 Ω
Maximum impedance [Zo]	18.61 Ω
DC resistance [Re]	3.4 Ω
Voice coil inductance [Le]	0.397 mH

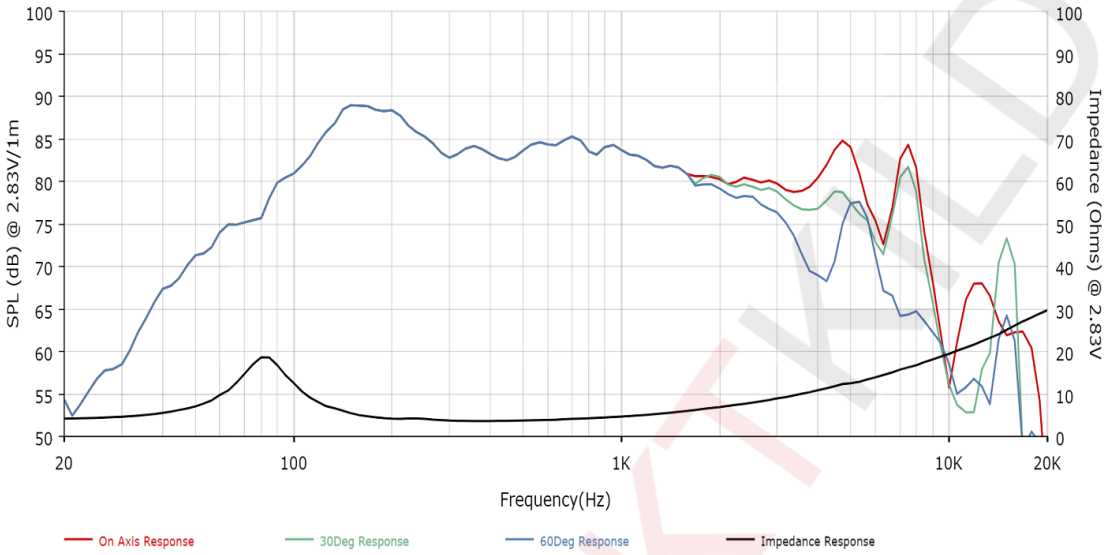
Power Handling

100h RMS noise test (IEC 18.4)	10 W
Long-term max power (IEC 18.2)	15 W

Voice Coil & Magnet Data

Voice coil diameter	25.4 mm
Voice coil height	11.5 mm
Voice coil layers	4
Height of gap	4 mm
Linear excursion	± 3.75 mm
Max mech. excursion	± - mm
Unit weight	0.1575 kg

Frequency Response / Impedance Curve:



Transducer front and side images: