

18 cm Midwoofer

18W/4531G01



T-S Parameters:

Resonance frequency [fs]	34 Hz
Mechanical Q factor [Qms]	4.90
Electrical Q factor [Qes]	0.38
Total Q factor [Qts]	0.35
Force factor [Bl]	5.7 Tm
Mechanical resistance [Rms]	0.74 kg/s
Moving mass [Mms]	16.9 g
Compliance [Cms]	1.3 mm/N
Effective diaph. diameter [D]	142 mm
Effective piston area [Sd]	157 cm ²
Equivalent volume [Vas]	45.6 l
Sensitivity (2,83V/1m)	89 dB

Mechanical Data:

Voice coil diameter	38 mm
Voice coil height	18 mm
Voice coil layers	2
Gap height	5 mm
Linear excursion	± 6.5 mm
Max mech. excursion	± 11 mm
Unit weight	1.7 kg
Cabinet Displacement Volume	0.47 l

Electrical Data:

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.4 Ω
Maximum impedance [Zo]	40.0 Ω
DC resistance [Re]	3.5 Ω
Voice coil inductance [Le]	0.27 mH

Power Handling:

100h RMS noise test (IEC 18.4)	70 W
Long-term max power (IEC 18.2)	110 W
X-over:	None

Key Features:

- Patented Symmetrical Drive Motor Design
- Sliced Cone (Controls Cone Breakups)
- Wood Fibre Cone
- Low-Loss linear suspension
- Low Damping SBR Rubber Surround
- Large Ferrite Magnet System

Recommendations (please see Tech Note):

- Operating frequency range: fs-7000 Hz
- Cabinet volume - closed box: Vbox=17 ltr, f(-3dB)=65 Hz
- Cabinet volume - vented box: Vbox=34 ltr, fb=37 Hz, f(-3dB)=39 Hz

