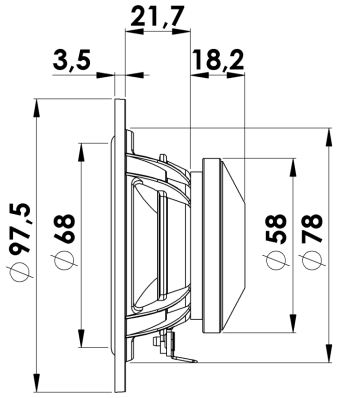
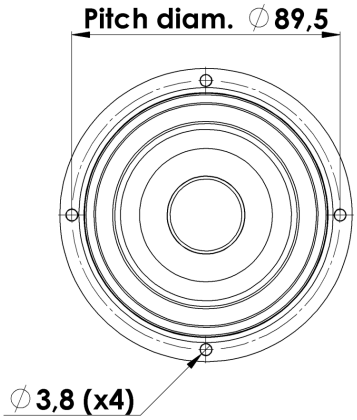
AUTOMOTIVE

MIDRANGE 10M/4614G06

Our SILVER SERIES are specially selected units from Scan-Speak's well-known home audio speakers. Which have been optimized for automotive use. This series enables audiophiles to experience in their vehicle the - TRUE TO LIVE - that they enjoy from their high-end home audio system.





KEY FEATURES:

- Very wide Frequency Range
- Coated NRSC Fibre Glass Cone (patent)
- Compact Size, Neo magnet, Alu. Chassis
- High Sensitivity 90dB / 2,83V
- SBR Rubber Surround
- Copper Cap on Pole Piece

T-S Parameters	
Resonance frequency [fs]	90 Hz
Mechanical Q factor [Qms]	3.2
Electrical Q factor [Qes]	0.32
Total Q factor [Qts]	0.29
Force factor [Bl]	3.9 Tm
Mechanical resistance [Rms]	0.49 kg/s
Moving mass [Mms]	2.8 g
Compliance [Cms]	1.1 mm/N
Effective diaph. diameter [D]	68 mm
Effective piston area [Sd]	36 cm²
Equivalent volume [Vas]	2.0 l
Sensitivity (2.83V/1m)	90 dB
Ratio Bl/√Re	2.2 N/√W
Ratio fs/Qts	309 Hz

Notes:
IEC specs. refer to IEC 60268-5 third edition.
All Scan-Speak products are RoHS compliant.
Data are subject to change without notice.
Datasheet updated: March 15, 2016.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.8 Ω
Maximum impedance [Zo]	34.5 Ω
DC resistance [Re]	3.2 Ω
Voice coil inductance [Le]	0.1 mH

Power Handling	
100h RMS noise test (IEC 17.1)	15 W
Long-term max power (IEC 17.3)	30 W

Voice Coil & Magnet Data	
Voice coil diameter	20 mm
Voice coil height	9.2 mm
Voice coil layers	2
Height of gap	4 mm
Linear excursion	± 2.6 mm
Max mech. excursion	± 7 mm
Unit weight	0.3 kg

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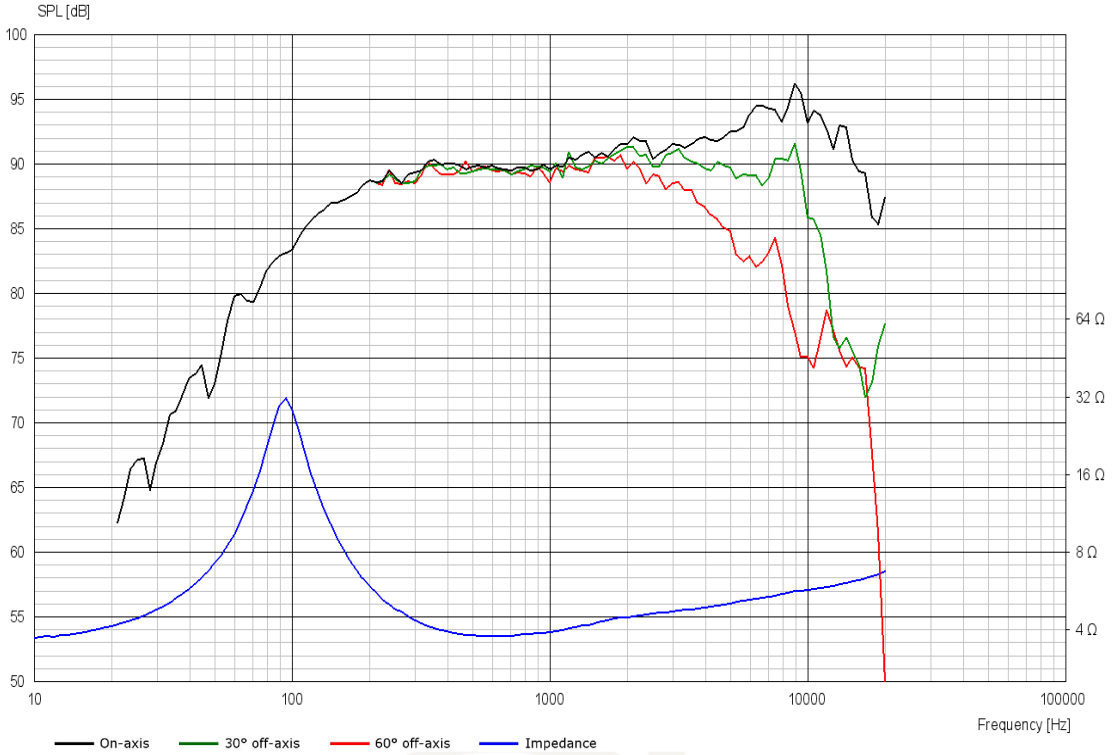
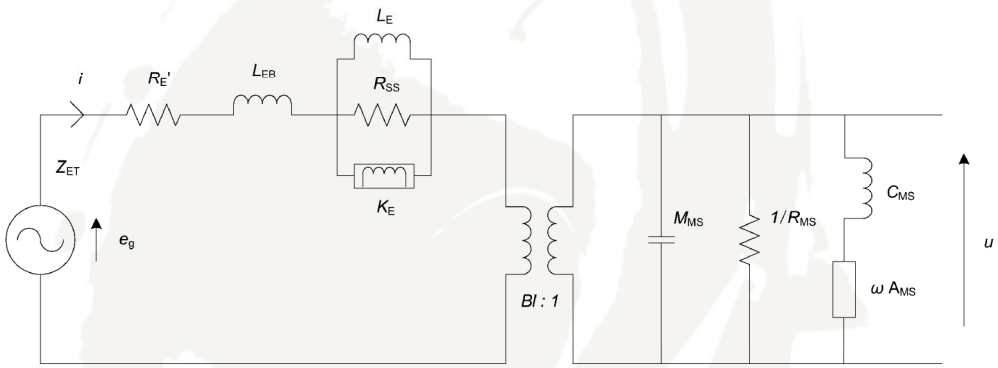


Advanced Parameters (Preliminary)



Electrical data	
Resistance [Re']	3.22 Ω
Free inductance [Leb]	0.020 mH
Bound inductance [Le]	0.22 mH
Semi-inductance [Ke]	0.042 SH
Shunt resistance [Rss]	3 Ω

Mechanical Data	
Force Factor [Bl]	4.10 Tm
Moving mass [Mms]	3.1 g
Compliance [Cms]	0.72 mm/N
Mechanical resistance [Rms]	0.80 kg/s
Admittance [Ams]	0.12 mm/N

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