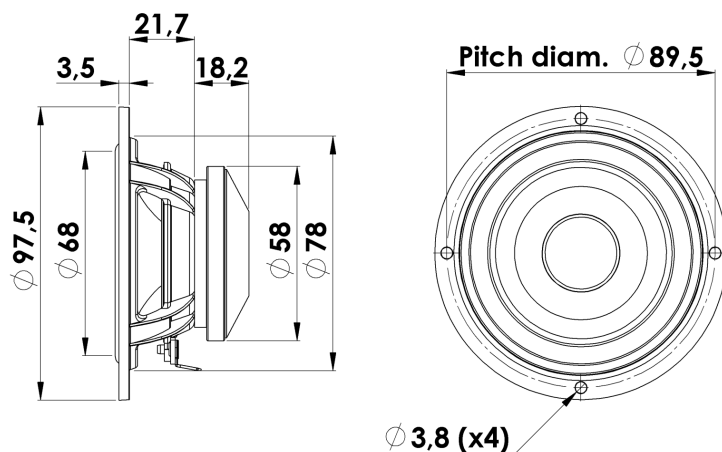




## MIDRANGE

# 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 cm <sup>2</sup> |
| 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 |

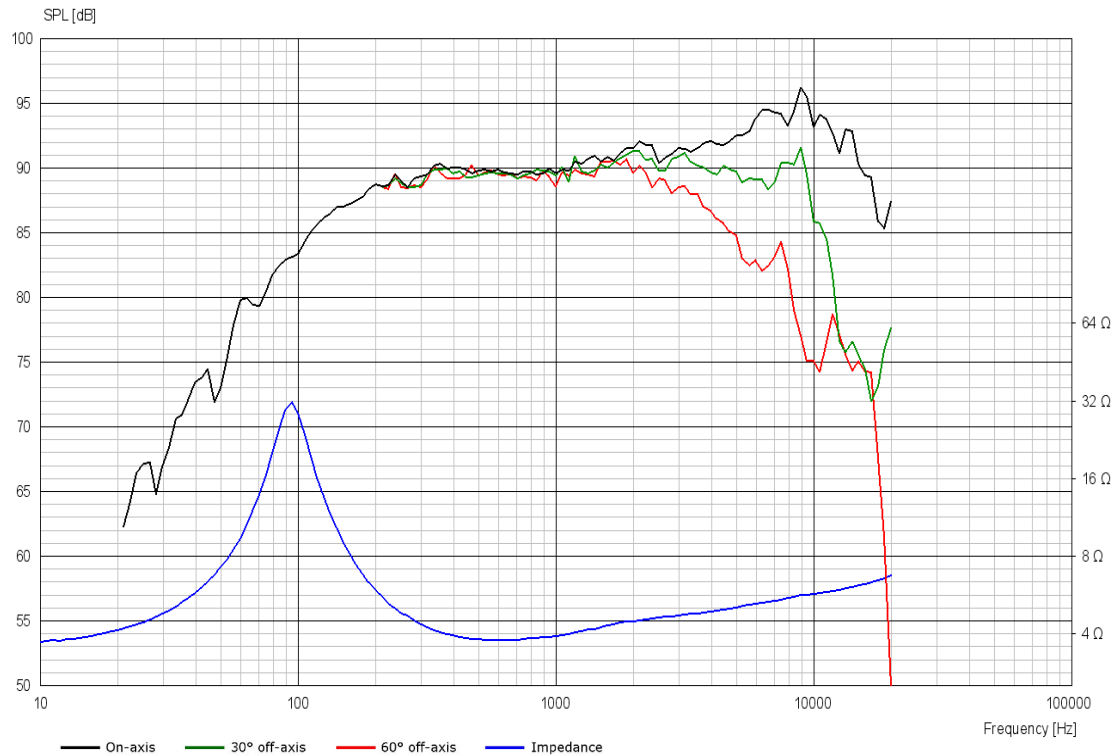
#### Voice Coil & Magnet Data

|                     |          |
|---------------------|----------|
| 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   |

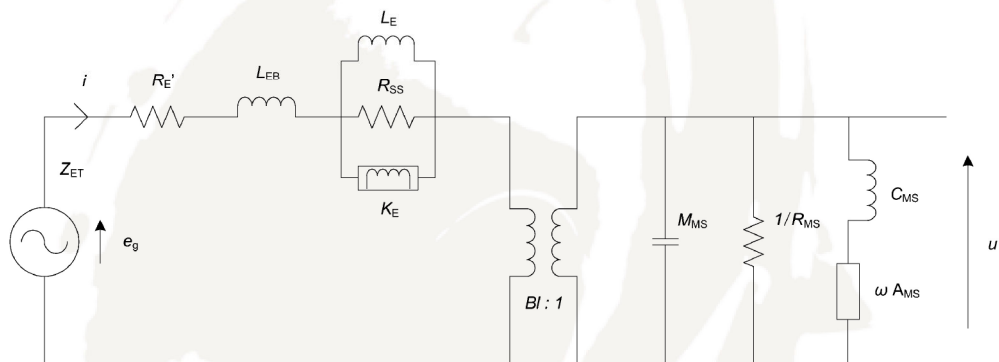


## MIDRANGE

10M/4614G06



## Advanced Parameters (Preliminary)

**Electrical data**

|                               |               |
|-------------------------------|---------------|
| Resistance [ $R_{E'}$ ]       | 3.22 $\Omega$ |
| Free inductance [ $L_{EB}$ ]  | 0.020 mH      |
| Bound inductance [ $L_E$ ]    | 0.22 mH       |
| Semi-inductance [ $K_E$ ]     | 0.042 SH      |
| Shunt resistance [ $R_{SS}$ ] | 3 $\Omega$    |

**Mechanical Data**

|                                    |           |
|------------------------------------|-----------|
| Force Factor [ $Bl$ ]              | 4.10 Tm   |
| Moving mass [ $M_{MS}$ ]           | 3.1 g     |
| Compliance [ $C_{MS}$ ]            | 0.72 mm/N |
| Mechanical resistance [ $R_{MS}$ ] | 0.80 kg/s |
| Admittance [ $A_{MS}$ ]            | 0.12 mm/N |