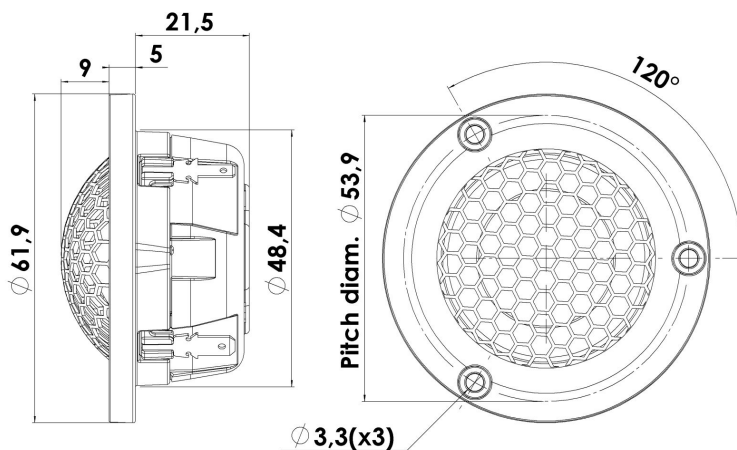# TWEETER

D3004/602006

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:

- · 1" Textile Dome Diamphragm
- · Patented Symmetrical Drive (SD-2) motor
- · Non Resonant Alu Rear Chamber
- · Large Roll Surround f. Wide Dispersion
- · Sound Transparant Protective Grill
- · Die Cast Housing & Face Plate

T-S Parameters

Resonance frequency [fs]	700 Hz
Mechanical Q factor [Qms]	4.15
Electrical Q factor [Qes]	1.60
Total Q factor [Qts]	1.15
Force factor [Bl]	1.7 Tm
Mechanical resistance [Rms]	0.4 kg/s
Moving mass [Mms]	0.35 g
Compliance [Cms]	0.15 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	89 dB
Ratio Bl/√Re	0.98 N/√W
Ratio fs/Qts	606 Hz

Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.5 Ω
Maximum impedance [Zo]	10.8 Ω
DC resistance [Re]	3 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling

100h RMS noise test (IEC 17.1)*	50 W
Long-term max power (IEC 17.3)*	130 W

*Filter: 2. order HP Butterworth, 2.5 kHz

Voice Coil & Magnet Data

Voice coil diameter	26 mm
Voice coil height	2.1 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.2 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.15 kg

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.

TWEETER   D3004/602006

— On-axis — 30° off-axis — 60° off-axis — Impedance
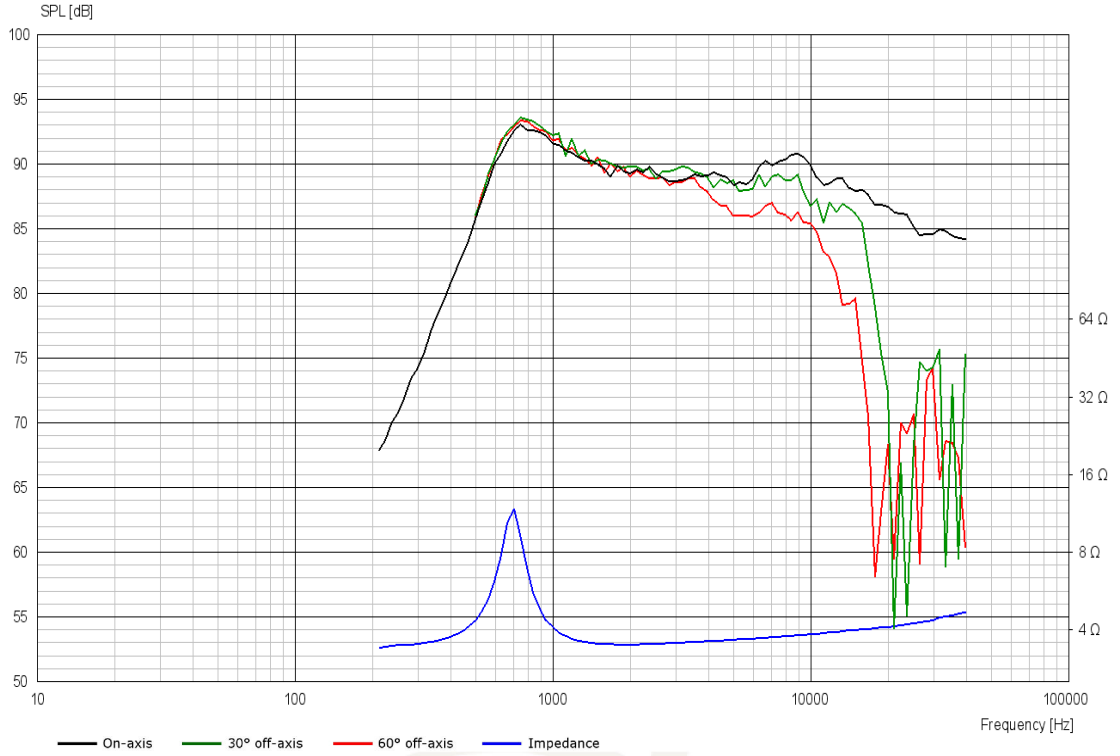
Advanced Parameters (Preliminary)
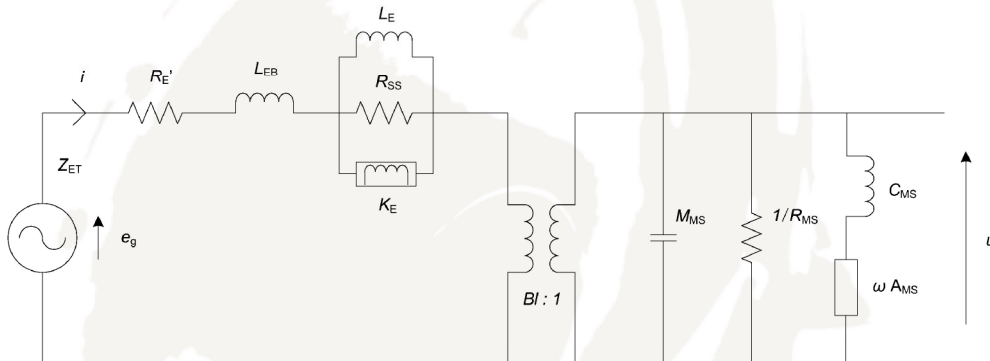
Electrical data

Resistance [Re']	- Ω
Free inductance [Leb]	- mH
Bound inductance [Le]	- mH
Semi-inductance [Ke]	- SH
Shunt resistance [Rss]	- Ω

Mechanical Data

Force Factor [Bl]	- Tm
Moving mass [Mms]	- g
Compliance [Cms]	- mm/N
Mechanical resistance [Rms]	- kg/s
Admittance [Ams]	- mm/N