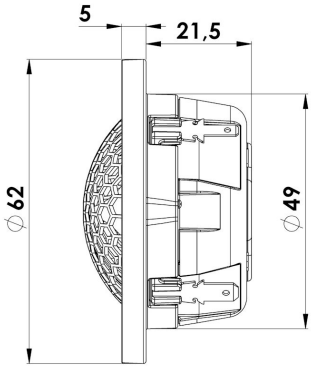
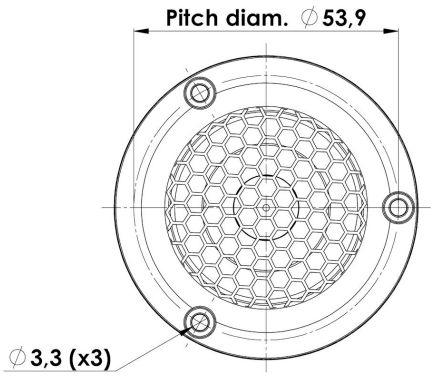
AUTOMOTIVE

TWEETER R3004/602005

The GOLD SERIES are specially selected units from Scan-Speak's well-known home audio speakers. Which have been upgraded and 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" Ring Dome Diaphragm
- High Power Patented SD-2 magnet system
- Non Resonant Alu Rear Chamber
- Patented Phase Plug Design
- Sound Transparant Protective Grill
- Die Cast Housing & Face Plate

T-S Parameters	
Resonance frequency [fs]	630 Hz
Mechanical Q factor [Qms]	3.42
Electrical Q factor [Qes]	1.15
Total Q factor [Qts]	0.86
Force factor [Bl]	2.4 Tm
Mechanical resistance [Rms]	0.68 kg/s
Moving mass [Mms]	0.59 g
Compliance [Cms]	0.11 mm/N
Effective diaph. diameter [D]	27 mm
Effective piston area [Sd]	5.6 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	90 dB
Ratio Bl/√Re	1.39 N/√W
Ratio fs/Qts	733 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 8, 2017.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.8 Ω
Maximum impedance [Zo]	15.0 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	2.0 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.25 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.15 kg

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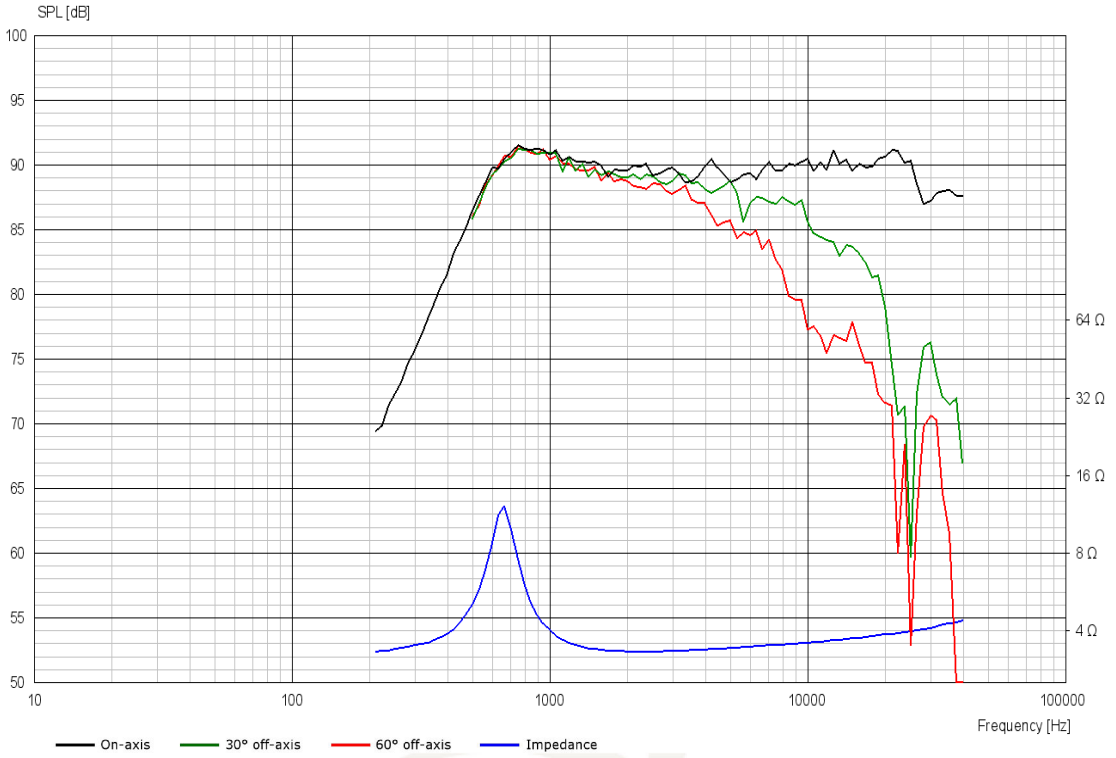
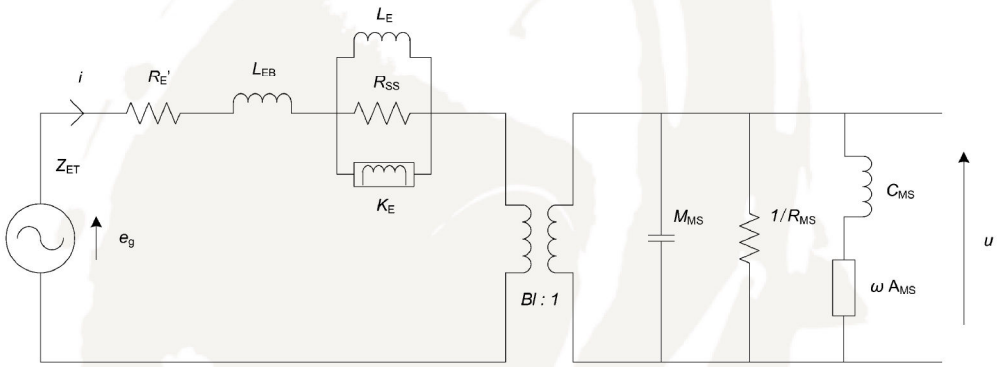


Advanced Parameters (Preliminary)



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

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