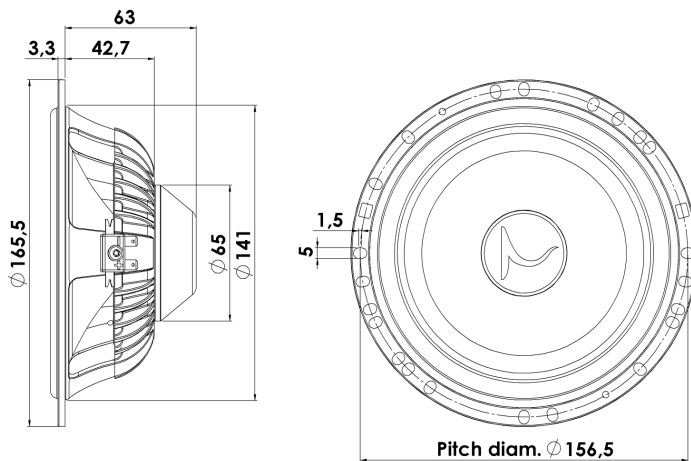




## AUTOMOTIVE

## 820013

The Discovery Car Speakers offers superior sound, tailor-made for car use with very good performance, shallow design and a robust construction which will offer you excellent sound in you car for many years! Please see detailed datasheets for tweeter R1904/613001 and woofer 16W/4434G00. In below specs.: If two parameters are given it is for "tweeter"/"woofer".



### KEY FEATURES:

- 2 x 165mm Midwoofers - EURO-DIN mounting
- 2 x 2-Way Crossovers
- Shallow Mounting Dimentions
- 2 x 19mm Ring Dome Tweeters
- Alu Die cast Chassis
- Patented NRSC Fibre Glass Cone

#### T-S Parameters

Resonance frequency [fs]	1000/55 Hz
Mechanical Q factor [Qms]	-/3.06
Electrical Q factor [Qes]	-/0.56
Total Q factor [Qts]	-/0.48
Force factor [Bl]	-/4.8 Tm
Mechanical resistance [Rms]	- kg/s
Moving mass [Mms]	-/12.5 g
Suspension compliance [Cms]	- mm/N
Effective diaph. diameter [D]	- mm
Effective piston area [Sd]	3.8/138 cm <sup>2</sup>
Equivalent volume [Vas]	- l
Sensitivity (2.83V/1m)	90 dB
Ratio Bl/√Re	- N/√W
Ratio fs/Qts	- 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: January 29, 2011.

#### Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	- Ω
Maximum impedance [Zo]	- Ω
DC resistance [Re]	2.7/3 Ω
Voice coil inductance [Le]	- mH

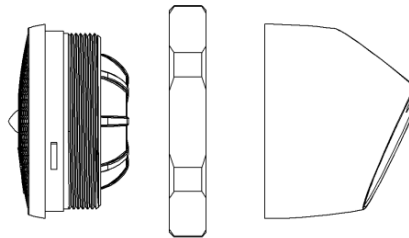
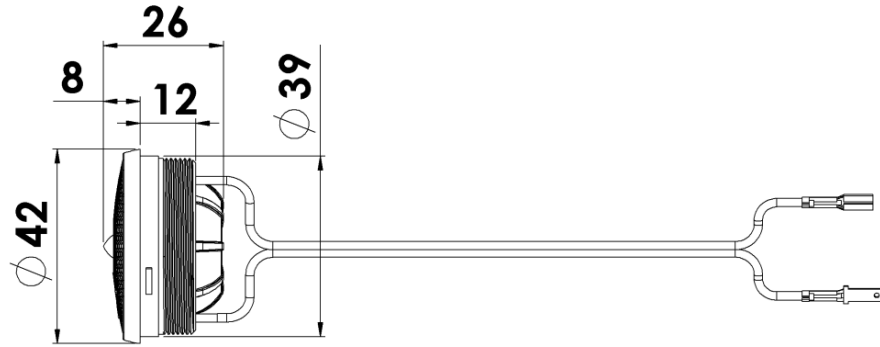
#### Power Handling

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

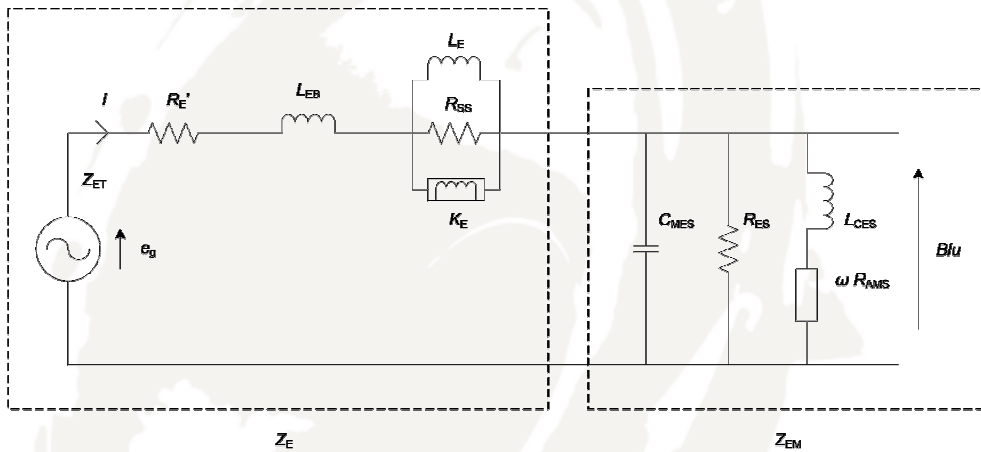
\*Filter: 2nd order - 3000 Hz

#### Voice Coil and Magnet Data

Voice coil diameter	19/32 mm
Voice coil height	- mm
Voice coil layers	-
Height of gap	- mm
Linear excursion	± - mm
Max mech. excursion	± -/8 mm
Unit weight	0.05/0.6 kg



### 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 resistance [Rams]	- mΩ·s