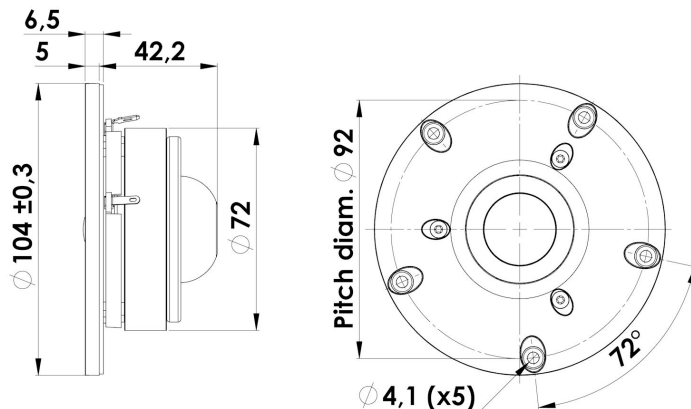




## TWEETER

## D2604/832002

The LIMITED EDITION tweeter, are based on well known designs from our Discovery line, optimized and improved with technology features normally only seen in very exclusive tweeters, allowing you to build outstanding loudspeakers at reasonable pricing.



### KEY FEATURES:

- Textile dome tweeter, wide surround
- Ferrite magnet system with copper cap
- Rear chamber for optimized low end extension
- Voice coil with CCAW wire and Titanium bobbin
- Painted die cast Aluminum face plate
- Optimized internal airflow and dampening

#### T-S Parameters

Resonance frequency [fs]	500 Hz
Mechanical Q factor [Qms]	2.43
Electrical Q factor [Qes]	0.58
Total Q factor [Qts]	0.47
Force factor [Bl]	2.7 Tm
Mechanical resistance [Rms]	0.59 kg/s
Moving mass [Mms]	0.5 g
Compliance [Cms]	0.2 mm/N
Effective diaph. diameter [D]	30 mm
Effective piston area [Sd]	7 cm <sup>2</sup>
Equivalent volume [Vas]	- l
Sensitivity (2.83V/1m)	91.5 dB
Ratio Bl/√Re	1.6 N/√W
Ratio fs/Qts	1064 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: September 14, 2016

#### Electrical Data

Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.5 Ω
Maximum impedance [Zo]	13.5 Ω
DC resistance [Re]	2.9 Ω
Voice coil inductance [Le]	0.02 mH

#### Power Handling

100h RMS noise test (IEC 17.1)	100 W
Long-term max power (IEC 17.3)	240 W

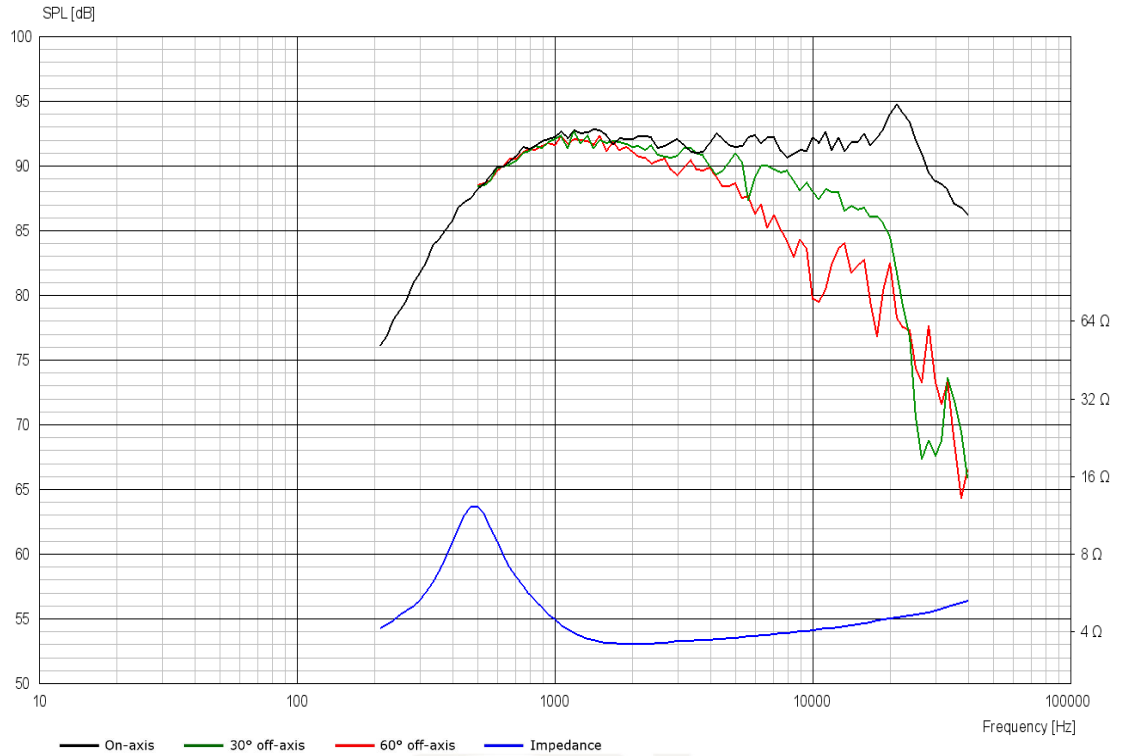
#### Voice Coil & Magnet Data

Voice coil diameter	26 mm
Voice coil height	2.3 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.1 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.55 kg

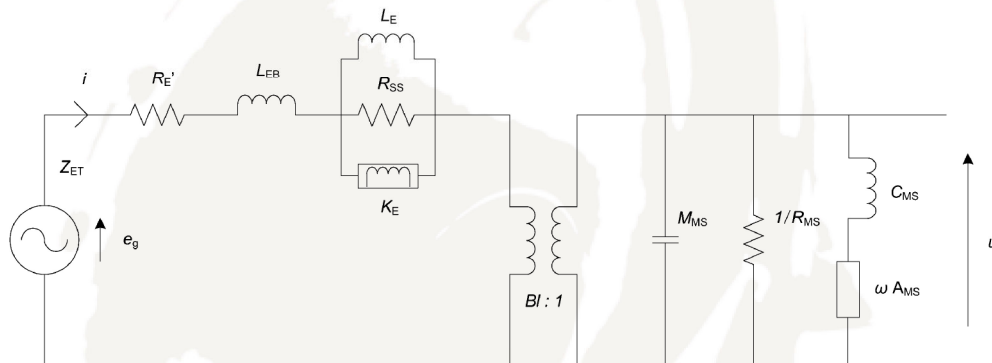


## TWEETER

D2604/832002



## Advanced Parameters (Preliminary)



### Electrical data

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

### Mechanical Data

Force Factor [ $BI$ ]	Tm
Moving mass [ $M_{MS}$ ]	g
Compliance [ $C_{MS}$ ]	mm/N
Mechanical resistance [ $R_{MS}$ ]	kg/s
Admittance [ $A_{MS}$ ]	mm/N