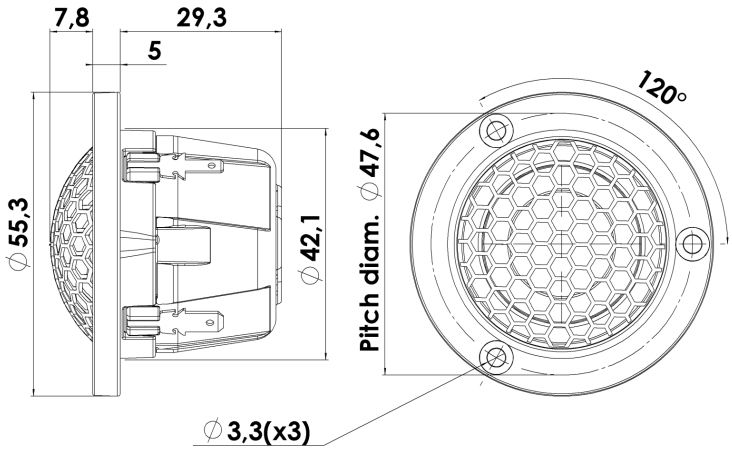


ILLUMINATOR

TWEETER R2004/602000

The compact size is one of the key elements of these Illuminator tweeters, which provides a high degree of flexibility within design options. The small size is employed without compromising sound quality where these compact tweeters are fully comparable to the renowned full size Illuminator and Revelator tweeters, no matter if the music is played at high or low listening levels.





KEY FEATURES:

- 3/4" Ring Dome Diaphragm
- Patented Symmetrical Drive (SD-2) motor
- Non Resonant Alu Rear Chamber
- Patented Phase Plug Design
- Sound Transparant Protective Grill
- Die Cast Housing & Face Plate

T-S Parameters	
Resonance frequency [fs]	675 Hz
Mechanical Q factor [Qms]	3.01
Electrical Q factor [Qes]	1.51
Total Q factor [Qts]	1.01
Force factor [Bl]	1.3 Tm
Mechanical resistance [Rms]	0.3 kg/s
Moving mass [Mms]	0.22 g
Suspension compliance [Cms]	0.25 mm/N
Effective diaph. diameter [D]	22 mm
Effective piston area [Sd]	3.8 cm²
Equivalent volume [Vas]	0.01 l
Sensitivity (2.83V/1m)	86 dB
Ratio Bl/√Re	0.78 N/√W
Ratio fs/Qts	670 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: February 22, 2011.

Electrical Data	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	4.5 Ω
Maximum impedance [Zo]	8.4 Ω
DC resistance [Re]	2.8 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)*	- W

*Filter: 2. order HP Butterworth, 3 kHz

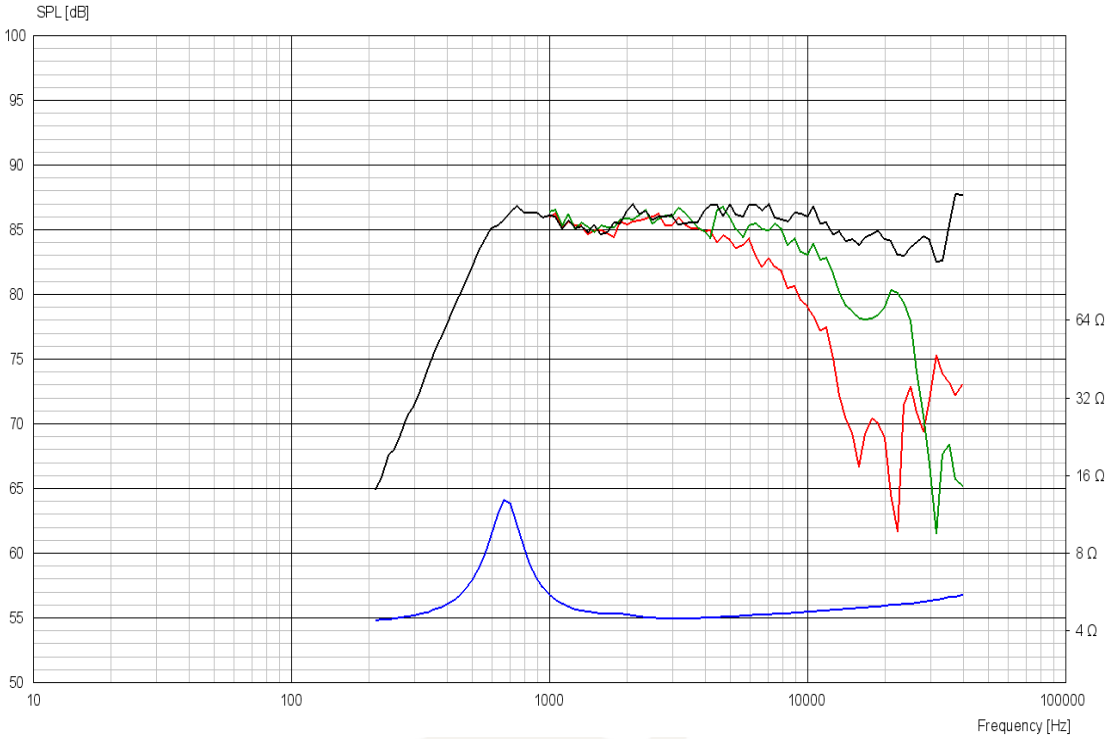
Voice Coil and Magnet Data	
Voice coil diameter	19 mm
Voice coil height	1.8 mm
Voice coil layers	2
Height of gap	2.5 mm
Linear excursion	± 0.4 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.1 kg

SCANSPEAK
N.C. Madsensvej 1 · 6920 Videbæk · Denmark · Phone: +45 6040 5200 · www.scan-speak.dk



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Advanced Parameters (Preliminary)

