Revelator 1" Tweeter



Type Number: R2904/700000

Features:

The Revelator series has for years been celebrated for producing the best sounding electro dynamic transducers in the world. Since ScanSpeak was founded in 1970, the audio engineers and R&D experts working on the line have been on a quest to create drivers that reveal all the sound in recordings, hiding nothing from the listener. This quest has resulted in several revolutionary inventions that remove distortion in the magnet systems and in the moving parts of the speaker. The philosophy is that the sound has to be very dynamic, giving a perfect transient response and providing tonal balance.

In the Revelator tweeters, additional enhancements have been made to reduce distortion and power compression, and to optimize airflow in the chambers, producing several unique tweeter designs.

Driver Highlights: 1" ring radiator, SD-2 neodymium motor, non resonant aluminium chamber, multiple chamber low compression design, machined aluminium faceplate and phase plug.



Specs:

Electrical Data Nominal impedance Minimum impedance Maximum impedance DC resistance Voice coil inductance	Zn 4 ohm Zmin ohm Zo ohm Re 3 ohm Le 0.01	mH
T-S Parameters Resonance Frequency Mechanical Q factor Electrical Q factor Total Q factor Force factor Mechanical resistance Moving mass Suspension compliance Effective cone diameter Effective piston area Equivalent volume Sensitivity (2.83V/1m)	fs 520 Qms Qes Qts BI 2.8 Tm Rms Kg/s Mms 0.3 g Cms mm/N D cm Sd 5.6 cm Vas Itrs 94.5	Hz dB

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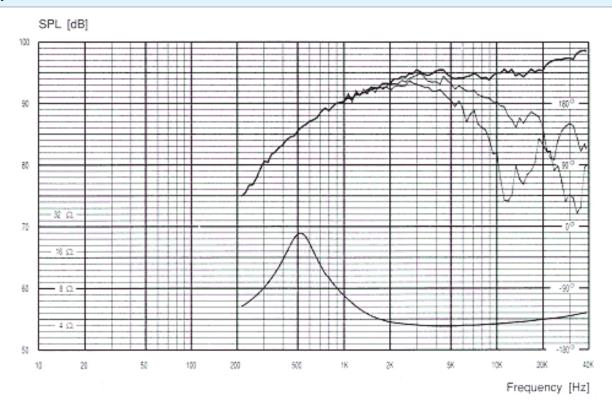
Voice Coil and Magnet Parameters

Voice coil diameter	25 mm
Voice coil height	mm
Voice coil layers	
Height of the gap	mm
inear excursion +/-	0.2 mm
Max mech. excursion +/-	1.6 mm
Flux density of gap	mWb
Total useful flux	mWb
Diameter of magnet	mm
Height of magnet	mm
Neight of magnet	Kg

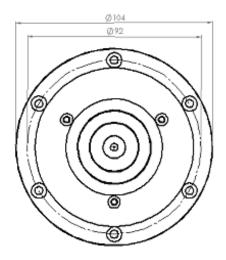
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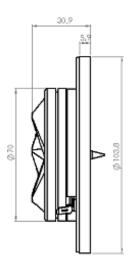
IEC specs refer to IEC 60268-5 third edition.
All ScanSpeak products are RoHS
compliant.

Frequency: R2904/700000



Mechanical Dimensions:R2904/700000





Drawing Dimensions

Outside Diameter Flange Thickness Magnet Diameter Cutout Diameter Interior Depth Hole Diameter Screw Circle Diameter