Illuminator 1" Tweeter

SCANSPEAK

Type Number: D3004/660000

Features:

The Illuminator tweeters continue on with the heritage of the renowned Revelator D29. The large roll surround and textile dome diaphragm provide a flat frequency response to above 30KHz with outstanding off-axis dispersion.

ScanSpeak's unique AirCirc Magnet System -- named for the way it optimizes air flow within the chamber – rearranges the traditional magnet structure from a single magnet to an open magnetic circuit comprised of six separate neodymium slugs. This, in combination with the chamber, results in the elimination of the reflections and resonances that compromise the performance of traditional motors.
The D3004 gives engineers improved control over critical midrange performance, for superb vocal rendition and excellent imaging at all listening locations.

Driver Highlights:
- 1" Soft Dome Diaphragm
- AirCirc Magnet System with 6 Neodymium Magnet slugs
- Die cast rubber painted aluminium faceplate for maximum mechanical stability and beautiful look

Specs:

Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3,5/2240	ohm
Maximum impedance	Zo	16,9	ohm
DC resistance	Re	3,0	ohm
Voice coil inductance	Le	0,03	mH

T-S Parameters

Resonance Frequency	fs	470	Hz
Mechanical Q factor	Qms		
Electrical Q factor	Qes		
Total Q factor	Qts		
Force factor	Bl	2,3	Tm
Mechanical resistance	Rms		Kg/s
Moving mass	Mms	0,35	g
Suspension compliance	Cms	0,29	mm/N
Effective cone diameter	D		cm
Effective piston area	Sd	7,0	cm2
Equivalent volume	Vas		ltrs
Sensitivity (2.83V/1m)		92,1	dB
Ratio BL/√(Re)			
Ratio fs/Qts	F		

Power Handling

100h RMS noise test (IEC)	90	W
Long-term Max Power (IEC18.3)	150	W
Max linear SPL (rms) @ power		dB/W
Short-term Max Power (IEC18.2)		W

Voice Coil and Magnet Parametres

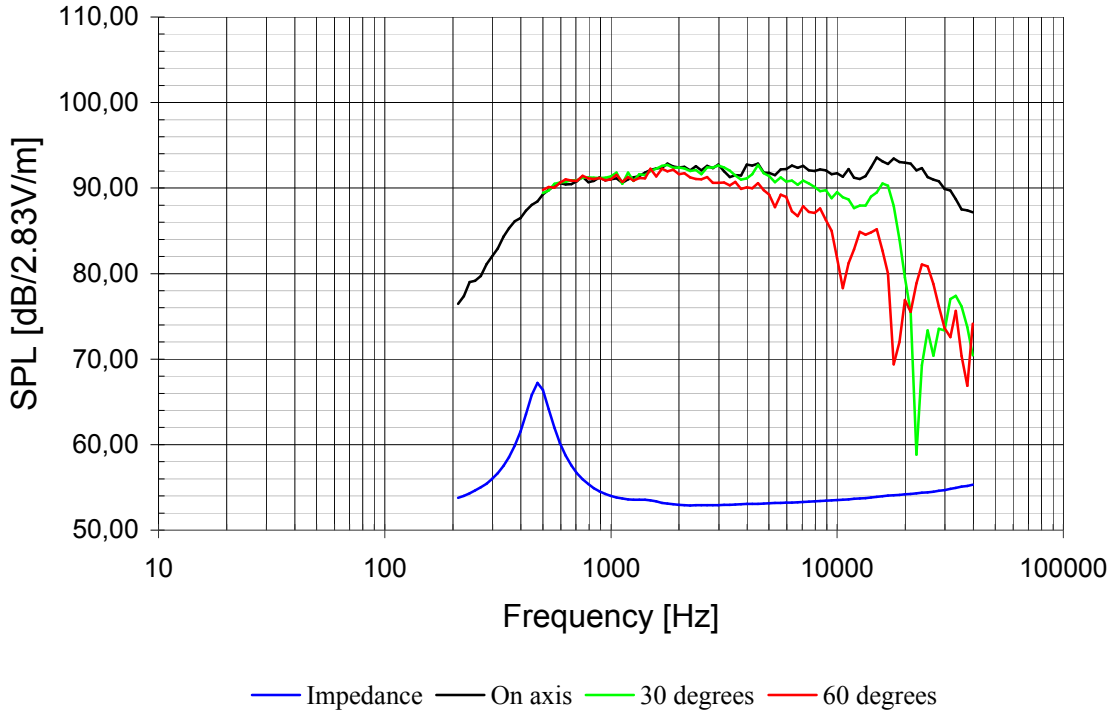
Voice coil diameter	26	mm
Voice coil height	2,1	mm
Voice coil layers	2	
Height of gap	2,5	mm
Linear excursion +/-	0,2	mm
Max mech. Excursion +/-	1,6	mm
Flux density of gap		mWb
Total useful flux		mWb
Diameter of magnet		mm
Height of magnet		mm
Weight of magnet		Kg
Unit net weight	0,3	Kg

Notes:

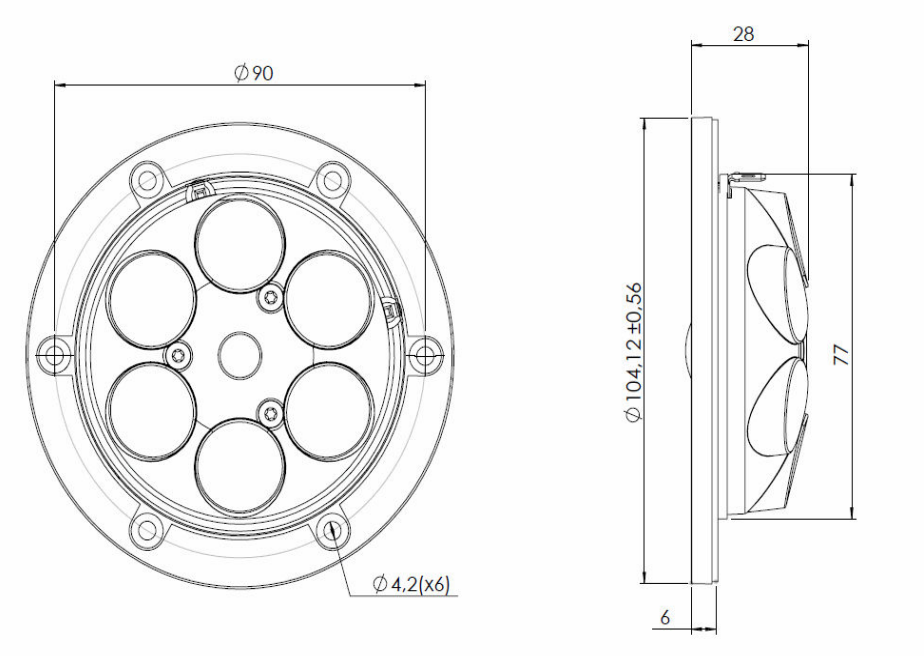
IEC Specs refer to IEC 60268,5 third edition. 2.5 kHz, 2. order BW

All Scan Speak products are RoHS compliant

Frequency:



Mechanical Dimensions:



Updated 2009.11.12