

Duelund Coherent Audio 1" Precision Tweeter

Electrical data

Nominal impedance	Zn	7 Ω
Minimum impedance/freq.	Zmir	5,9 / 3,48 Ω/kHz
Maximum impedance	Zo	22,0 Ω
DC resistance	Re	4,7 Ω
Voice coil inductance	Le	0,07 mH

T-S parameters

Resonance Frequency	fs	430,0 Hz
Mechanical Q-factor	Qms	1,10
Electrical Q-factor	Qes	0,25
Total Q-factor	Qts	0,21

Force factor	Bl	5,1 Tm
Mechanical resistance	Rms	1,3 kg/s
Moving mass	Mms	0,5 g
Suspension compliance	Cms	0,26 mm/N

Effective piston area	Sd	9 cm ²
Equivalent volume	Vas	0,0 ltrs

Voltage sensitivity 1.0m/2.83Volt 92,0 dB
Average 3000-10000Hz

Voice coil and motor

Voice coil diameter	28,0 mm
Voice coil length	3,3 mm
Voice coil layers	2
Height of gap	2,5 mm
Linear excursion :	0,4 mm
Max. excursion ±	1,5 mm

Diameter of magr	70 mm
Height of magnet	4 mm
Weight of magnet	0,09 kg
Net weight	0,43 kg

Power handling

100 h RMS noise test (IEC) 150 W
Long term max. system power 450 W
IEC 268-5 noise signal is used for the power test

Remarks Power Handling

Filter: 2. order HP Butterworth, 2,5 kHz

Special remarks

Wood rear chamber
Neodymium magnet
Titanium voice coil former

