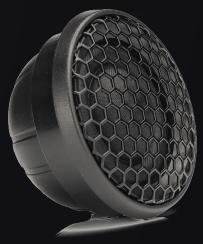
SIGMA ST 22

22 mm TWEETER



The **SIGMA ST 22** is the 22 mm tweeter of the SIGMA series. Its coupling volume allows a low crossover point to the woofer or midrange. The response stays within ±2 dB from 1 to 20 kHz without a peak in the top octave, and distortion is below 0.5 % above 2 kHz. Mounting accessories, a design grille and a hexagon grille are included.

MEASURED DATA AND SPECIFICATIONS

Electrical

Nominal impedance	Z_N	4	Ω
DC resistance	R_e	3.61	Ω
Resonance frequency	f_s	668	Hz
Inductance 10 kHz	L_e	0.026	mH

Q factors

Mechanical Q factor	Q_{ms}	1.26
Electrical Q factor	Q_{es}	1.59
Total Q factor	Q_{ts}	0.70
Effective piston area	S_d	3.8 cm²

Sensitivity

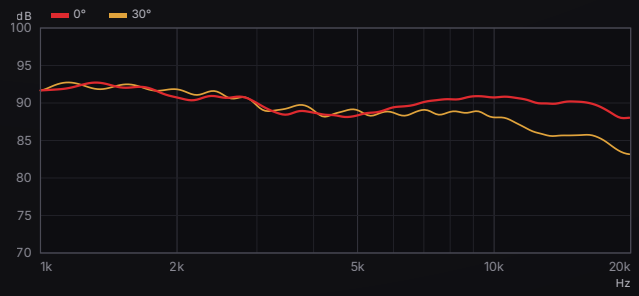
Sensitivity 2.83 V / 1 m	SPL	89.4	dB
Sensitivity 1 W / 1 m	SPL	85.9	dB

Installation and construction

Power handling	30	W
Tweeter Ø	39.5	mm
Tweeter depth	24	mm
Mounting ring outer Ø	49	mm
Mounting ring cut-out	44	mm
Mounting ring height	12.5	mm
Versions	black, silver	

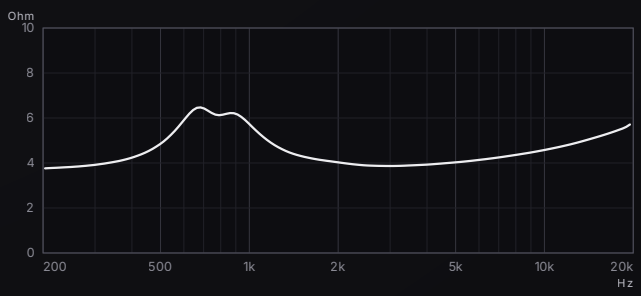
FREQUENCY RESPONSE

2.83 V / 1 m, 0° and 30°



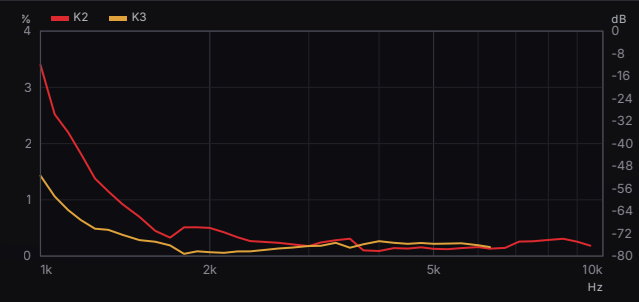
IMPEDANCE

free air



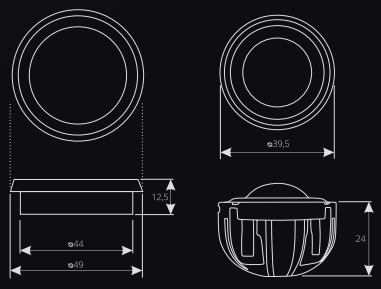
HARMONIC DISTORTION

1 W



DIMENSIONS

mounting ring and tweeter, dimensions in mm



- Recommended crossover: high-pass from 2.5 kHz, 12 dB/oct.
- Sensitivity: average 3 to 10 kHz.