GAMMA GS 10 SLIM

250 mm SHALLOW SUBWOOFER



The **GS 10 SLIM** is the 250 mm shallow subwoofer of the GAMMA series. With a mounting depth of 89 mm it fits under seats, in side panels and in slim enclosures where a conventional 10-inch driver has no room. Two 2 Ω voice coils allow a 4 Ω or 1 Ω connection. Rated at 300 W RMS, mounting ring with grille included.

MEASURED DATA AND SPECIFICATIONS

Electrical

Nominal impedance	Z_N	**2 × 2**	Ω
DC resistance (series)	R_e	**3.24**	Ω
Resonance frequency	f_s	**31.5**	Hz
Inductance 10 kHz	L_e	**1.33**	mH

Q factors

Mechanical Q factor	Q_{ms}	**6.33**
Electrical Q factor	Q_{es}	**0.45**
Total Q factor	Q_{ts}	**0.42**

Mechanical

Moving mass	M_{ms}	**124.0**	g
Effective piston area	S_d	**360**	cm^2
Mechanical resistance	R_{ms}	**3.87**	kg/s
Compliance	C_{ms}	**0.207**	mm/N
Force factor	Bl	**13.29**	Tm
Equivalent air volume	V_{as}	**37.5**	l

Sensitivity

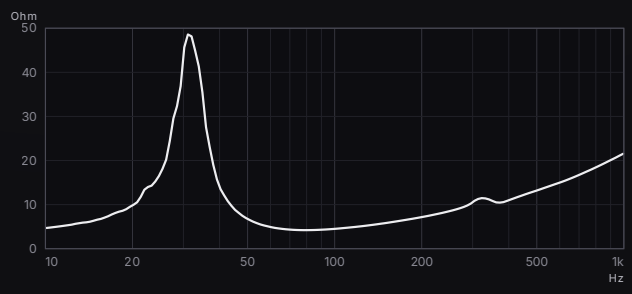
Sensitivity 1 W / 1 m	SPL	**86.0**	dB
Sensitivity 2.83 V / 1 m	SPL	**90.0**	dB

Installation and construction

Power handling RMS	**300**	W
Power handling max.	**450**	W
Outer diameter	**260**	mm
Cut-out diameter	**236**	mm
Bolt circle, 8 holes	**246**	mm
Mounting depth	**89**	mm
Magnet diameter	**155**	mm
Voice coil	**64 mm (2.5″), dual**	
Mounting ring with grille	**included**	
Net weight	**5.5**	kg

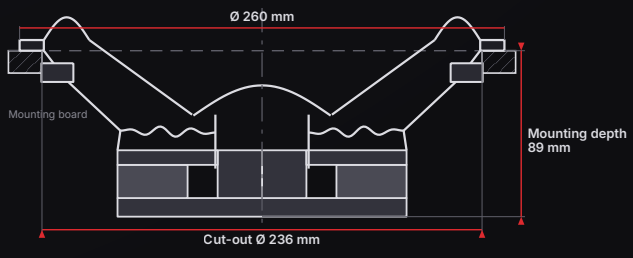
IMPEDANCE

free air, coils in series



DIMENSIONS

dimensions in mm



RECOMMENDED ENCLOSURES

calculated · 2.83 V / 1 m



ENCLOSURE DATA

	sealed	vented
Volume incl. driver and port	**20 l**	**36 l**
Port inner Ø × length	**–**	**100 × 510 mm**
Tuning	**–**	**36 Hz**
Cut-off −3 dB	**53 Hz**	**35 Hz**
Subsonic 24 dB/oct.	**20 Hz**	**31 Hz**

Response calculated in half space, without vehicle. In the vehicle the cabin adds further low bass.

- Thiele-Small parameters with both voice coils in series (4 Ω connection).
- Two voice coils of 2 Ω each: 4 Ω in series, 1 Ω in parallel.