



Product Specification

General Specifications

Type	Woofer			
Nominal Diameter	12	inch	305	mm
Rated Impedance	8	Ω		
Power Handling Capacity	600	W(AES)		
Operating Bandwidth (± 10 dB)	55-4k	Hz		
Sensitivity @ 1W 1M	96	dB		
Effective Piston Diameter	261.0	mm	10.3	inch
Voice Coil Diameter	75.66	mm	3.0	inch

Physical Information

Magnet	Type	Ferrite		
	Size (mm)	190	82	20
	Weight	81.4 oz.		
Basket	Material	Aluminum		
	Color	Black		
	Former	GSV		
Voice Coil	Wire	AL-W		
	Former	Paper		
Cone		Cloth		
Surround		Paper		
Dust Cap		Cotton		
Gasket		EVA		
Unit Weight	(kg)	7.6		
Packing Quantity		1		
size	(mm)	355	355	180
	(inch)	14.0	14.0	7.1
	cu.ft	0.80	Gross Weight	8.2 kg

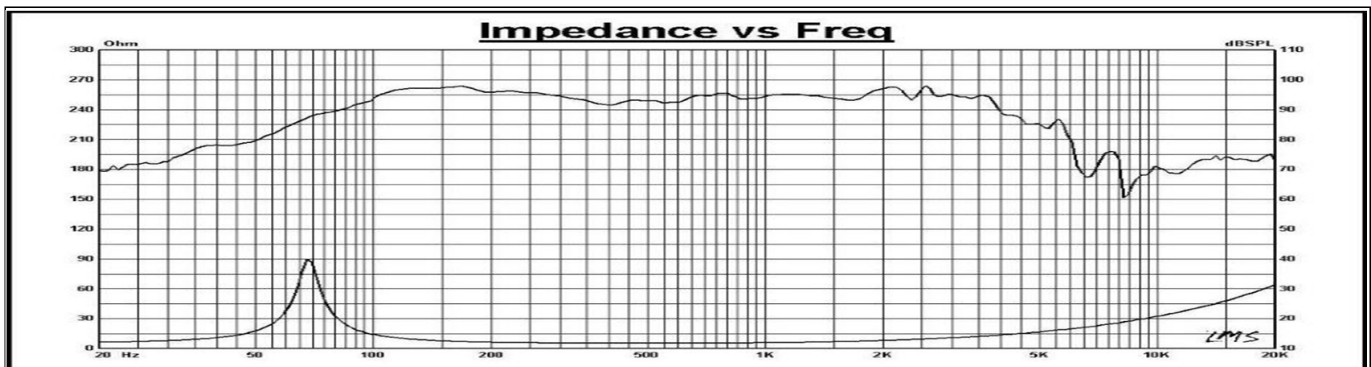
Thiele - Small Parameters

Resonance Frequency	F_s	68	Hz
DC Resistance	R_e	5.2	Ω
Mechanical Q Factor	Q_{ms}	8.45	
Electrical Q Factor	Q_{es}	0.51	
Total Q Factor	Q_{ts}	0.48	
BL Factor	BL	14.14	T x m
Moving mass including surround	M_{ms}	45.90	g
Moving mass excluding surround	M_{md}	38.88	g
Equivalent Gas air load	V_{as}	47.70	liters
Effective piston area	S_d	530.9	cm ²
Voice - coil inductance @ 1KHz	L_e	0.51	mH
Half-space efficiency	Eff	2.84	%
Mechanical compliance	C_{ms}	1.1 e-04	m/N
Loss resistance of suspension	R_{ms}	2.32	Ns/m
Voice Coil Over-Hung	X_{max}	4.1	mm
Airgap Height	H_{ag}	10	mm
Voice coil Height	H_{vc}	18.2	mm

Power Test

Apply Voltage	-	V	Duration	-	hour
High pass	-	Hz	Low pass	-	Hz

Frequency Response



Revision	A
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Code Number	F01011218501SNT			
Model Name	G12-400MB BLACK 8 OHM			
Description	12" Ferrite Woofer			
Customer Name	SNT			
Tester	ART	Date	19-Jan-21	
Engineer	ART	Date	19-Jan-21	
Approved	ART	Date	19-Jan-21	

Physical Dimensions

Overall Diameter	318.0	mm	12.5	inch
Baffle Cutout Diameter	283.5	mm	11.2	inch
Mouting Hole Diameter	296.5	mm	11.7	inch
Bolt Circle Diameter	13 x ϕ 7.0 mm			
Depth	120.4	mm	4.7	inch

