



# Product Specification

## General Specifications

Type	Woofer			
Nominal Diameter	12	inch	305	mm
Rated Impedance	8	$\Omega$		
Power Handling Capacity	400	W(AES)		
Operating Bandwidth ( $\pm 10$ dB)	50-4k	Hz		
Sensitivity @ 1W 1M	95	dB		
Effective Piston Diameter	263	mm	10.4	inch
Voice Coil Diameter	76.2	mm	3	inch

## Physical Information

Magnet	Type	Ferrite		
	Size (mm)	169	86	25
	Weight	73.3 oz.		
Basket	Material	Aluminum		
	Color	Black		
Voice Coil	Wire	AL-W (inside/outside)		
	Former	GSV		
Cone		Paper		
Surround		Cloth		
Dust Cap		Paper		
Spider		Cotton		
Gasket		EVA		
Unit Weight	(kg)	5.8		
Packing Quantity		1		
size	(mm)	355	355	180
	(inch)	14.0	14.0	7.1
	cu.ft	0.80	Gross Weight	6.5 kg

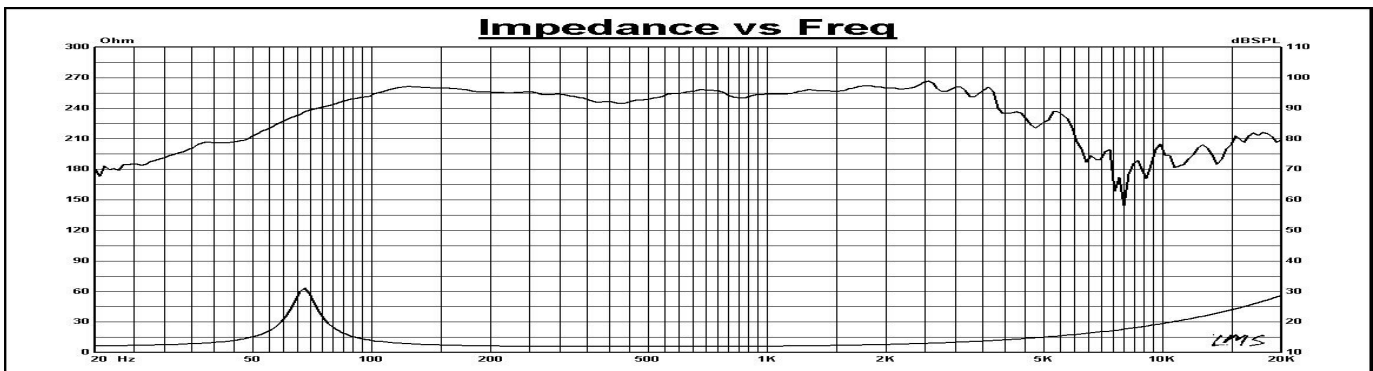
## Thiele - Small Parameters

Resonance Frequency	$F_s$	67	Hz
DC Resistance	$R_e$	5.7	$\Omega$
Mechanical Q Factor	$Q_{ms}$	7.15	
Electrical Q Factor	$Q_{es}$	0.70	
Total Q Factor	$Q_{ts}$	0.64	
BL Factor	$BL$	13.26	T x m
Moving mass including surround	$M_{ms}$	51.56	g
Moving mass excluding surround	$M_{md}$	44.53	g
Equivalent Cas air load	$V_{as}$	43.16	liters
Effective piston area	$S_d$	530.9	cm <sup>2</sup>
Voice - coil inductance @ 1KHz	$L_e$	0.44	mH
Half-space efficiency	$Eff$	1.81	%
Mechanical compliance	$C_{ms}$	1.1 e-04	m/N
Loss resistance of suspension	$R_{ms}$	3.05	Ns/m
Voice Coil Over-Hung	$X_{max}$	4.75	mm
Airgap Height	$H_{ag}$	8	mm
Voice coil Height	$H_{vc}$	17.5	mm

## Power Test

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

## Frequency Response



Revision	A
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Code Number	F01011215801SNT		
Model Name	C12-400F BLACK 8 OHM		
Description	12" Ferrite Woofer		
Customer Name	SNT		
Tester	Kanayut.s	Date	21-Jan-13
Engineer	Eakkalek.s	Date	22-Jan-13
Approved	Dom P.	Date	23-Jan-13

## Physical Dimensions

Overall Diameter	318	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	8 x $\phi$ 7.0 mm			
Depth	123.1	mm	4.8	inch

