

Main features

Banana pulp blended light-weight cone paper / High-loss foamed rubber edge

Blending a banana pulp with two wooden pulps holding different physicality realizes a sufficient stiffness and high-loss. A high-loss foamed edge with an up-roll shape is employed.

“Mechanical” 2-way center cap

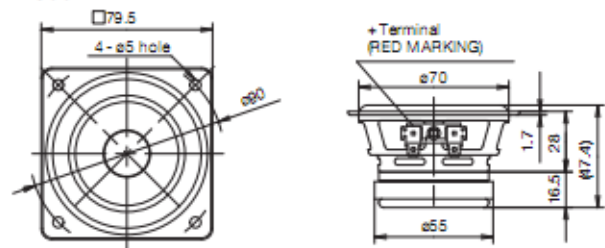
The same material as the cone paper is employed on the center cap for improving the sound unification. A mechanical 2-way structure which directly connects the center cap with the voice coil bobbin extends a high range sound reproduction further.

Faston 205 terminal

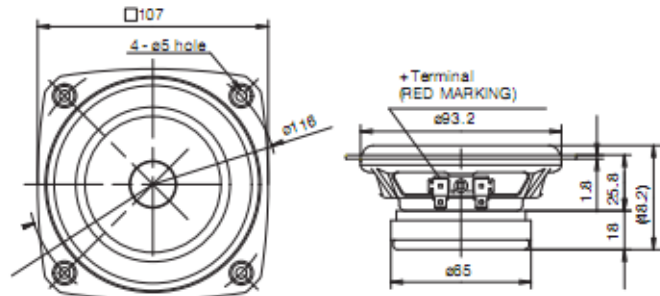
A Faston 205 type is used for the speaker input terminal.

Dimensions

• P800K

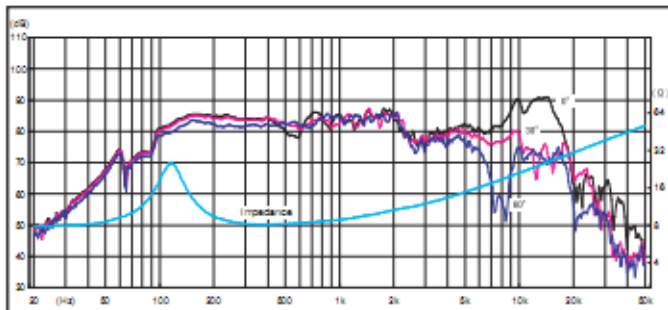


• P1000K

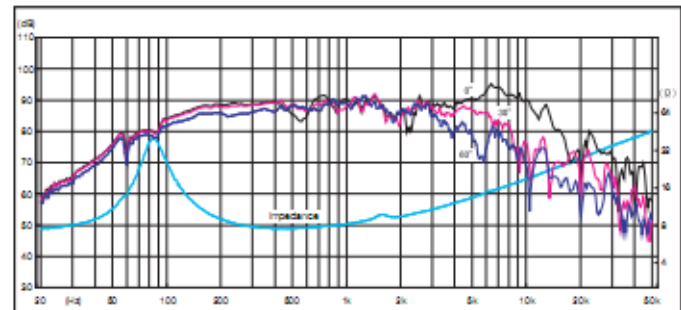


Frequency Response

• P800K



• P1000K



Specifications & Thiele/Small Parameters

Model	P800K		P1000K	
Size	80	mm	3.2	in
Overall Diameter	79.5	mm	3.2	in
Baffle Hole Diameter	73	mm	2.9	in
Depth	47.4	mm	2.0	in
Voice Coil Diameter	20	mm	0.8	in
Cast / Stamped	Stamped		Stamped	
Impedance	8	ohm	8	ohm
Reproduction Freq. Response	fs-18 kHz		fs-16 kHz	
Sound Pressure Level	84.5 dB/W (m)		88 dB/W (m)	
Rated Input	8 W		12 W	
Music Power	24 W		36 W	
Magnet Weight	74	g	0.163	lb
Net Weight	261	g	0.575	lb
Equivalent Diaphragm Radius	a	30	mm	40
Effective Cone Diameter	D	60	mm	80
Surface Area of Cone	Sd	0.0028	m ²	0.005
Nominal Impedance	Zn	8	ohm	8
Resonance Frequency	Fs	115	Hz	82
DC Resistance	Re	7.2	ohm	6.8
Coil Inductance	Le	0.037	mH	0.04
Mechanical Q	Qms	3.79		4
Electromagnetic Q	Qes	1.334		0.6
Total Q	Qts	0.99		0.53
Equivalent Mass	Mms	2.2	g	3.1
BL Product (Factor Force)	BL	2.98	Tesla/m	4.29
Compliance Equivalent Volume	Vas	1.043	L	4.84
Voice Coil Overhang	Xmax	0.5	mm	0.35
Reference Efficiency n0	Eff/n0	0.117	%	0.414
Mechanical Compliance of Suspension	Cms	0.873	m/N	1.241
Efficiency Bandwidth Product	EBP	86.2069		136.667