

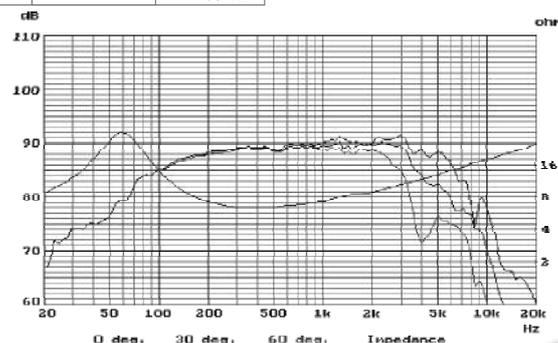
850528

WOOFER/MID 5" MAGNETICALLY SHIELDED

WOOFER/MID 5" MAGNETICALLY SHIELDED - 134 WR 26 81 SD AL TV

A truly high end mid-woofer with a rigid aerodynamic cast aluminium basket, ventilated spider and shielded for use next to TVs and computer monitors.. All aspects of this drivers design and manufacture achieves superior engineering with the lowest possible compression, maximum exertion of the cone, excellent ventilation, etc. Attractive modern style. Inverted dust cap. Suitable for higher power, high SPL, maintaining excellent dynamics and efficiency at any volume. The one piece cast aluminium basket provides the necessary sturdy base for the magnet structure and suspension and allows for a long excursion of the cone. The spider is ventilated to the basket, this achieves the lowest possible compression and to allow air to flow freely to create a cooling effect for the voice coil and therefor greatly extend the long term power tolerance. The design of the basket fascia allows for very slim box designs and the edges are cambered to reduce the necessary amount of counter sinking. Hex screw holes. The three or five layer sandwich cone improves accuracy and consistency of sound reproduction over the entire frequency range, creating a more "musical" driver. Due to the soft suspension, an excellent dynamic small signal reproduction is obtained. Other features are high sensitivity, gold plated terminals and very low harmonic and difference tone distortion. This woofer is applicable on a wide range of applications, and is especially ideal for very compact 2-way bookshelf boxes (as small as 5L ported), for satellite systems as mains (Closed box 3L - 6L suggested) or as surround sound units. Also popular as multiple alignment floorstanding boxes, MTM centres, etc., Multiple driver boxes make this highly sensitive unit even more efficient. Peerless recommend that this highly dampened speaker is best suited to ported designs tuned to 65Hz in a 10L box. Upper crossover recommended 1500 to 4500Hz.

Parameters			Free-Air	Common	Baffled
Nominal impedance	Zn	(ohm)		8	
Minimum impedance/at freq.	Zmin	(ohm/Hz)		6.4/376	
Maximum impedance	Zo	(ohm)		34.6	
DC resistance	Re	(ohm)		5.7	
Voice coil inductance	Le	(mH)		1.0	
Capacitor in series with 8 ohm (for impedance compensation)	Cc	(µF)		7	
Resonance Frequency	fs	(Hz)	61.1		59.9
Mechanical Q factor	Qms		2.07		2.11
Electrical Q factor	Qes		0.41		0.42
Total Q factor	Qts		0.34		0.35
F (Ratio fs/Qts)	F	(Hz)			172
Mechanical resistance	Rms	(Kg/s)		1.89	
Moving mass	Mms	(g)	10.2		10.6
Suspension compliance	Cms	(mm/N)		0.67	
Effective cone diameter	D	(cm)		10.8	
Effective piston area	Sd	(cm ²)		91	
Equivalent volume	VAS	(ltrs)		7.6	
Force factor	Bl	(N/A)		7.4	
Reference voltage sensitivity Re 2.83V 1m at 376 Hz (Measured)		(dB)			89.2
Voice coil diameter	d	(mm)	26		
Voice coil length	h	(mm)	14		
Voice coil layers	n		2		
Flux density in gap	B	(T)	1.24		
Total useful flux		(mWb)	0.83		
Height of the gap	hg	(mm)	6		
Diameter of magnet	dm	(mm)	90		
Height of magnet	hm	(mm)	15		
Weight of magnet		(kg)	0.4		
Code			850488		

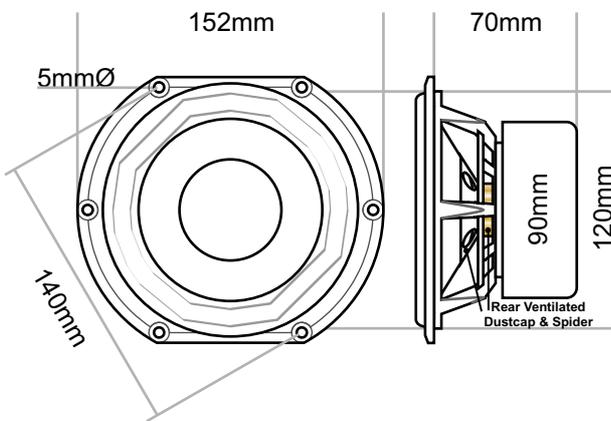




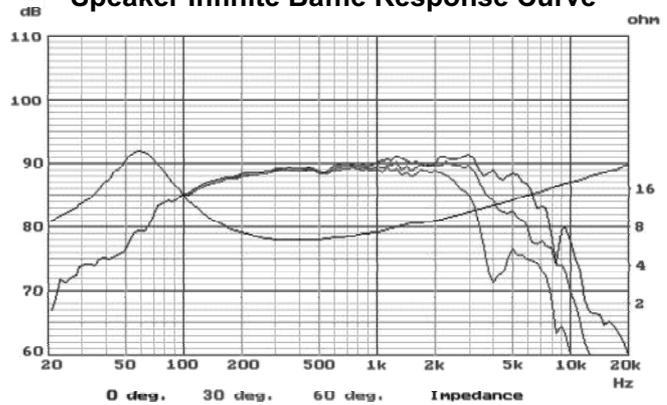
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Peerless Recommend: "F(ratio) for this driver is 149 and this indicates that the damping is high. The best way to use this driver is in a vented box with the following suggested box sizes.
 10 ltr box. 1 port. Diameter 40 mm. Length 65 mm. Tuning freq 62 Hz. Response, - 3 dB appr at 60 Hz.
 10 ltr box. 1 port. Diameter 55 mm. Length 140mm. Tuning freq 62 Hz. Response, - 3 dB appr at 60 Hz.
 5 ltr box. 1 port. Diameter 30 mm. Length 50 mm. Tuning freq 78 Hz. Response, - 3 dB appr at 80 Hz.
 For small satellites it would be best to use the driver in a closed box. Box sizes from 3-6 ltr will be suitable.
 Cross-over freq between 1500-4500 Hz is recommendable for this model."



Speaker Infinite Baffle Response Curve



Projected Box Frequency Response Curves

