

Peerless

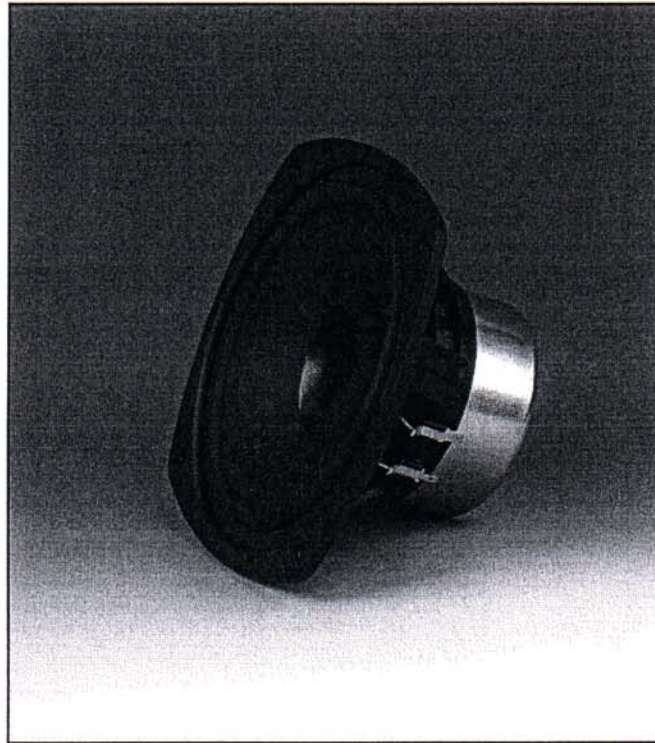
ORDER ID

830378

Nomex 173



6½" WOOFER



173 WR 26 72 SADN CAN 8/6Ω

Woofer dedicated for center channel and front channel applications in Home Theater surround systems. High degrees of customisation is possible and thus providing a "tailor made" speaker strengthening the image of each customer. Advanced *non pressed air dried nomex fibre* cone with a unique open sound.

FEATURE	ADVANTAGE	BENEFIT
Nomex fibres.	Stiffness and damping.	Very smooth frequency response for easy filtering.
Composite basket.	Resonance free, non magnetic, and flexibility in customisation features.	Die cast characteristics with a high end look at competitive prices.
Non pressed air dried cone.	Fibres are not broken during the manufacture which means that the original frame structure of the composite is kept.	Sensitive, open and dynamic sounding woofers.
Improved cone geometry.	Further optimised sound picture.	True and engaging sound.

Nomex 173

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Thiele Small parameters:

Nominal impedance	Zn	(Ω)			
Minimum impedance/at freq.	Zmin	(Ω/Hz)			
Maximum impedance	Zo	(Ω)			
Dc resistance	Re	(Ω)			
Voice coil inductance	Le	(mH)			
Capacitor in series with	Cc	(μF)			
(for impedance compensation)					
Resonance Frequency	fs	(Hz)			
Mechanical Q factor	Qms				
Electrical Q factor	Qes				
Total Q factor	Qts				
F (Ratio fs/Qts)	F	(Hz)			
Mechanical resistance	Rms	(Kg/s)			
Moving mass	Mms	(g)			
Suspension compliance	Cms	(mm/N)			
Effective cone diameter	D	(cm)			
Effective piston area	Sd	(cm ²)			
Equivalent volume	Vas	(ltrs)			
Force factor	Bl	(N/A)			
Reference voltage sensitivity		(dB)			
Re 2.83V 1m at 259 Hz		(Calculated)			

	Free air	Common	Baffled
		8	
		6.1 / 259	
		31.3	
		5.7	
		1.1	
		9	
	59.9		57.4
	3.29		3.44
	0.73		0.76
	0.60		0.62
			92
	13.2	1.51	14.4
		0.54	
		13.5	
		143	
		15.1	
		6.2	
			88.6

Magnet and voice coil parameters:

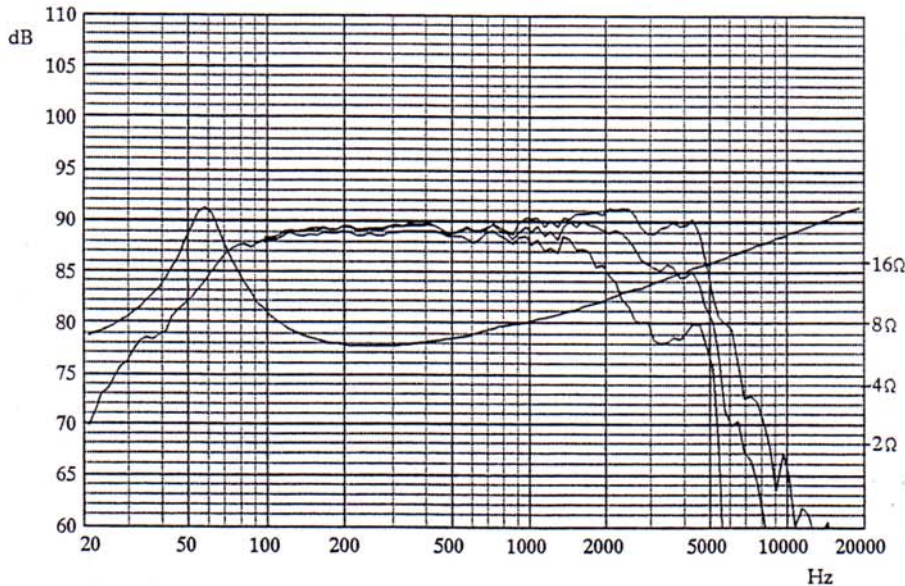
Voice coil diameter	d	(mm)	26
Voice coil length	h	(mm)	14
Voice coil layers	n		2
Flux density in gap	B	(T)	1.16
Total useful flux		(mWb)	0.74
Height of the gap	hg	(mm)	6
Diameter of magnet	dm	(mm)	72+72
Height of magnet	hm	(mm)	15+10
Weight of magnet		(kg)	.23+.16

PRELIMINARY
DATA

Power handling

Longterm Max System Power (IEC) (W) 100

A noise signal simulating normal programme material with a crest factor of 6dB (IEC 268-5) is used in Longterm Power and Lin. SPL tests.
Frequency range for test signal (HZ) 20-5000



Measuring methods and conditions are stated in Peerless Standard for Acoustic Measurements (PSAM).