

# Peerless

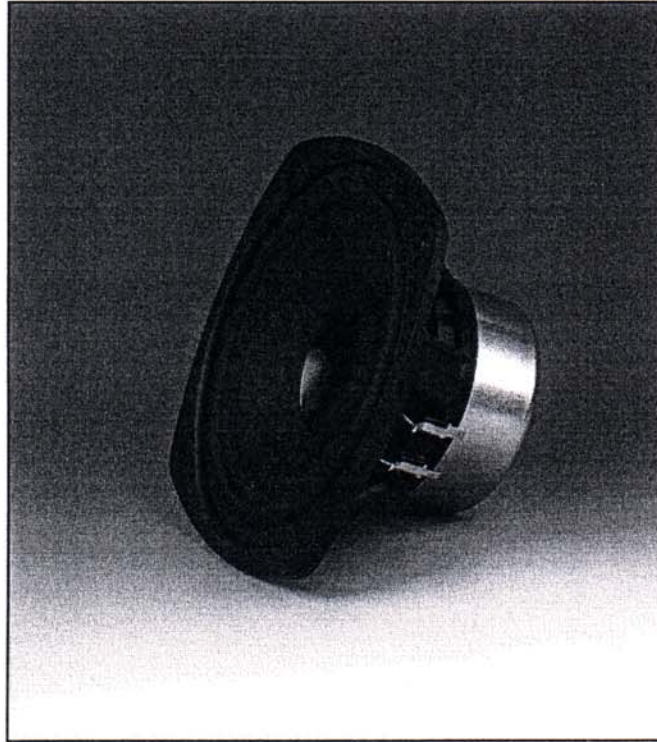
ORDER ID

830377

## Nomex 140



### 5" WOOFER



140 WR 26 72 SADN CAN 8/6Ω

Midwoofer dedicated for center 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 140

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# Nomex 140

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Thiele Small parameters:

		Free air	Common	Baffled
Nominal impedance	Zn (Ω)		8	
Minimum impedance/at freq.	Zmin (Ω/Hz)		6.3 / 345	
Maximum impedance	Zo (Ω)		37.9	
Dc resistance	Re (Ω)		5.7	
Voice coil inductance	Le (mH)		1.1	
Capacitor in series with 8 Ω (for impedance compensation)	Cc (μF)		8	
Resonance Frequency	fs (Hz)	55.8		54.4
Mechanical Q factor	Qms	2.23		2.29
Electrical Q factor	Qes	0.39		0.40
Total Q factor	Qts	0.33		0.34
F (Ratio fs/Qts)	F (Hz)			159
Mechanical resistance	Rms (Kg/s)		1.27	
Moving mass	Mms (g)	8.1		8.5
Suspension compliance	Cms (mm/N)		1.01	
Effective cone diameter	D (cm)		10.8	
Effective piston area	Sd (cm²)		91	
Equivalent volume	Vas (ltrs)		11.6	
Force factor	Bl (N/A)		6.4	
Reference voltage sensitivity Re 2.83V 1m at 345 Hz (Calculated)	(dB)			89.3

Magnet and voice coil parameters:

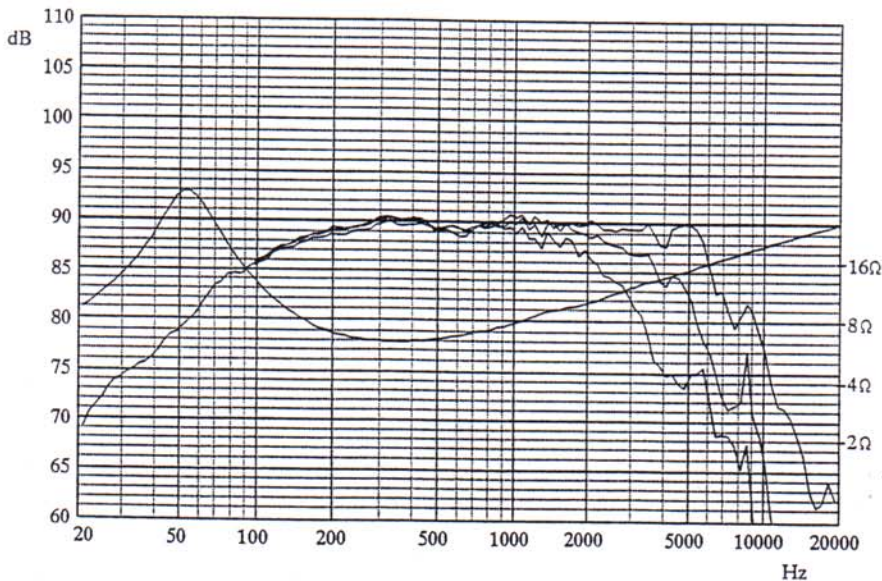
Voice coil diameter	d (mm)	26
Voice coil length	h (mm)	10
Voice coil layers	n	2
Flux density in gap	B (T)	1.06
Total useful flux	(mWb)	0.69
Height of the gap	hg (mm)	6
Diameter of magnet	dm (mm)	72+72
Height of magnet	hm (mm)	15+10
Weight of magnet	(kg)	.23+.10

PRELIMINARY  
DATA

Power handling

Longterm Max System Power (IEC) (W)

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).