

## 5CN160

5" Neodymium Coaxial Transducer

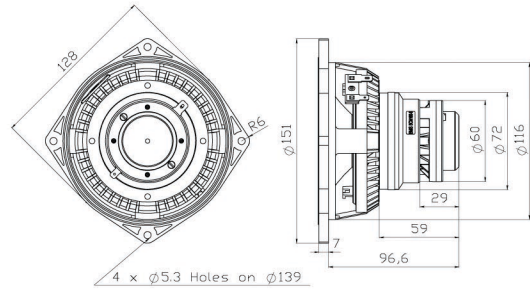


### Features:

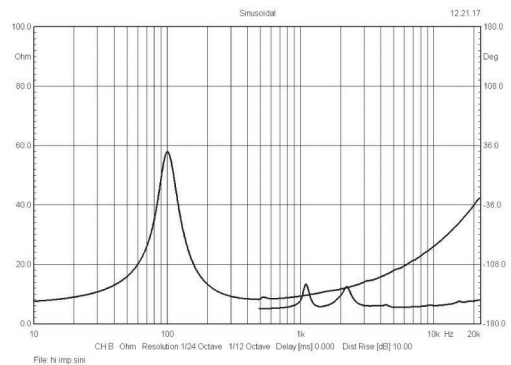
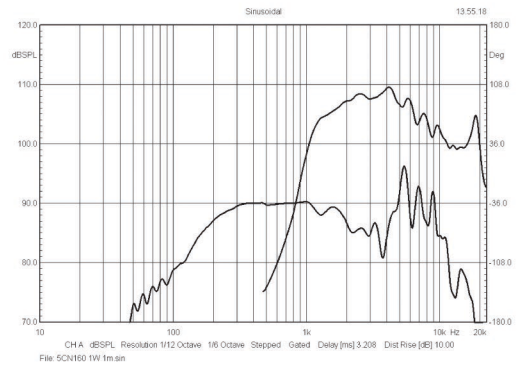
- 90 dB sensitivity 1 W / 1 m
- 130 W + 25 W Power handling
- 1.5" + 1" Voice coil
- Single point source providing coherent wave front
- 90° conical dispersion
- Optimal for compact 2-way systems

## SPECIFICATIONS

APPLICATION	2-way Transducer		
Nominal Impedance	Ohm		8
Power handling AES noise	W		130
Sensitivity (1 W / 1 m)	dB		90
Frequency response	Hz		80 - 20000
Voice Coil Diameter	mm		38 (1.5")
Voice Coil Material:			Cu
Voice Coil Winding Depth:	mm		15
Magnet Gap Depth	mm		5
Basket			Cast Aluminum
Effect. Diaphragm Diameter	mm		98
THIELE-SMALL-PARAMETERS			
Resonance Frequency	Fs	Hz	100
DC Resistance	Re	Ohm	6.85
Mechanical Q Factor	Qms		3.1
Electrical Q Factor	Qes		0.41
Total Quality Factor	Qts		0.36
Equivalent Volume	Vas	L	2.1
Moving Mass	Mms	kg	0.009
Mechanical Compliance	Cm	mm / N	0.27
BL Factor	BL	Tesla m	10
Effective Piston Area	Sd	m <sup>2</sup>	0.0075
Max. linear Excursion:	Xmax	mm	+/- 5
Voice Coil Inductance	Le1k	mH	0.39
	Le10k	mH	0.32
HIGH FREQUENCY			
Power Handling AES	W		25
Peak Power	W		200
Sensitivity (1 W / 1 m)	dB		110
Frequency Range	Hz		1200 - 20000
Recommended Crossover	Hz		1700
Voice Coil Diameter	mm		25.4 (1")
Magnet Material			Neodymium
Flux Density	T		1.6
Voice Coil Material	Copper Clad Aluminium (2 Layers in- and outside the VC)		
Voice Coil Former	Kapton TM		
Diaphragm Material	Polyester		



Frequency response measured 1W (2.83V) at 1 m in a closed enclosure of 11 liter.



### MOUNTING INFORMATION

Overall Diameter	mm	128 x 128
Mounting Holes Diameter	mm	4 x 5.3
Bolt Circle Diameter	mm	139
Baffle cut-out Diameter	mm	117
Overall depth	mm	104
Net Weight	kg	1.14

### Recommended reflex enclosure:

1.9 L / 104 Hz, BRD = 30 mm / 77 mm long

3.8 L / 90 Hz, BRD = 40 mm / 86 mm long

Closed enclosure 1 - 4 Litre