

6.5" 6NPM

Midrange



Key features:

- **VERY HIGH EFFICIENCY MIDRANGE**

Design notes:

The 6NPM is a very high efficiency, (97 dB 1watt / 1 meter in 1l enclosure) 6-inch midrange speaker with incredibly linear frequency response characteristics and ultra low harmonic distortion artifacts. The 6NPM has extremely high sound quality. The 6NPM uses a lightweight paper pulp, specifically developed for this application. This unique cone provides the ideal weight to strength ratio.

- **ULTRA LOW HARMONIC DISTORTION**

Voice Coil
At the core of the 6NPM is it's voice coil technology featuring edge wound aluminum ribbon wire. Unique lightweight and very short former provides the ideal transfer of power between the voice coil and the cone assembly and assists in reducing the distortion artifacts. By combining this material with the state of the art adhesives, the 6NPM delivers incredible performance. The neodymium magnet is in a direct contact

- **HIGH POWER HANDLING**

with the CNC exposed aluminum section of the basket, hold in place by our thermal transfer adhesives. This design dramatically improves the heat transfer. Further more, based upon a request, we have developed added on aluminum heat-sink. The heat-sink is a recommended optional accessory for applications in sealed mid-range, low volume enclosures.

Specifications:

General specs	
Nominal Diameter:	6.5 "
Rated Impedance:	8 ohm
Power handling	
AES Power:	180 watts
Program Power:	360 watts
Peak Power:	720 watts
Voice Coil	
Diameter:	44.5 mm
Former:	Glass Fiber
Winding height:	6.8 mm

T/S Parameters	
Resonant frequency:	150 Hz
Re:	6.9 ohm
Qes:	0.38
Qms:	4.58
Qts:	0.35
Vas:	2.9 liters
Sd:	143.1 cm²
Sensitivity:	96.79 dB
Mms:	11.1 grams
Bl:	13.7
Le:	0.16 mH

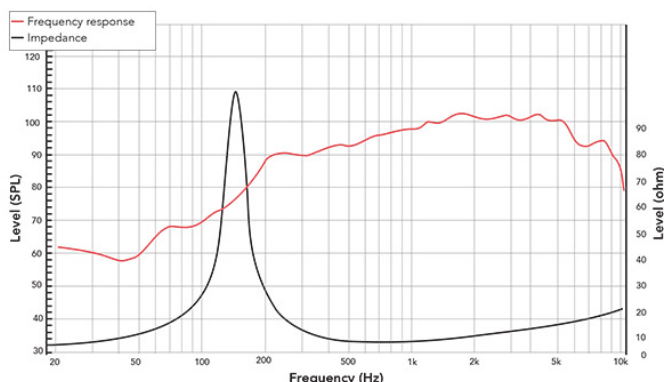
Design details	
Surround Material:	fabric
Cone material:	Paper GF
Spider:	Nomex
Plate thickness:	6 mm
Overall diameter:	162 mm
Bolt circle diameter:	172 mm
Baffle cutout dia.:	145 mm
Mounting holes:	4
Depth:	52.5 mm
Net weight:	1.2 kg

Ordering code:

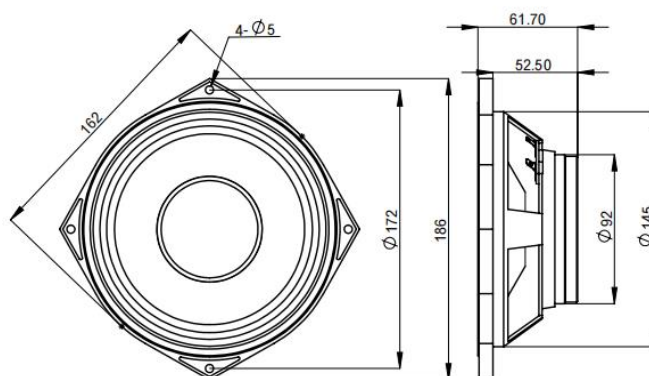
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In many cases REDCATT produces 4, 8 and 16 ohm versions — indicate what impedance you need in your request.

Frequency response & Impedance



2D drawing



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