

Ordering code: 6NPM-164

Neodymium Midrange

| Cont. Power | Sens. | Fs | Freq. Range | VC Dia. | VC Wire | Cone/Surround/Dome | Magnet type |
|-------------|----------|--------|-------------------|---------|---------|--------------------|-------------|
| 240 watts | 101.8 dB | 125 Hz | 180 Hz - 8,000 Hz | 1.77" | CCAR | Paper / Fabric | Neodymium |



The 6NPM is a very high efficiency, (101.8 dB 1 watt / 1 meter) 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.

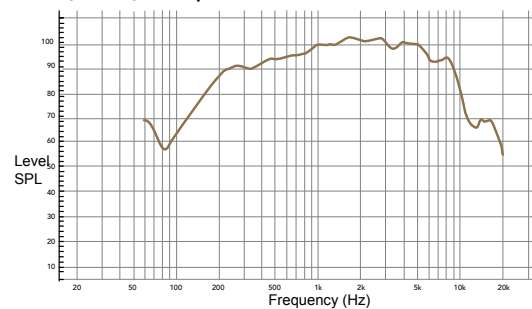
Voice Coil

At the core of the 6NPM is its 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 with the CNC exposed aluminum section of the basket, hold in place by our thermal transfer adhesives. This design dramatically improves the heat transfer.

General Specifications

| | |
|-----------------------------------|---|
| Nominal Diameter: | 152 mm (6 in.) |
| Rated Impedance: | 8 ohm |
| Power Handling: | |
| AES Power: | 180 Watts |
| Power Compression @-10dB | 0.7dB |
| Power Compression @-10dB | 1.2dB |
| Power Compression @Max Power | 1.6dB |
| Maximum Recommended Xover Freq.: | 5,000 Hz |
| Recommended Enclosure Volume: | 1 - 6 Liters |
| Cone Design: | Curvilinear, paper |
| Front Plate Thickness: | 6 mm |
| Winding Height: | 15 mm, aluminum ribbon wire |
| Fs | 125 Hz |
| Re | 7.1 Ohm |
| Sd | 143 cm ² (22.17 in. ²) |
| Qms | 5 |
| Qes | 0.37 |
| Qts | 0.35 |
| Vas | 3.7 Liters |
| Mms | 9.3 g |
| BL product (force factor) | 12.8 Tm |
| Peak to peak displacement (mm) | 8mm |
| Le (mH @1kHz) | 0.51 |
| Overall diameter | 162.0 mm (6.38 in.) |
| No. of mounting holes | 4 |
| Bolt circle diameter | 172.0 mm (6.77 in.) |
| Front mount baffle cutout dia. | 145 mm (5.7 in.)Nominal |
| Rear mount baffle cutout diameter | 145 mm (5.7 in.)Nominal |
| Total depth | 60 mm (2.36 in.) |
| Flange and gasket thickness | 0.7 mm (0.03 in.) |
| Net weight | 1.2 kg |
| Shipping weight | 1.3 kg |
| Packing Dimensions | 170x170x80mm (6.7x6.7x3.15 in.) |

Frequency Response



Frequency response measurement with transducer mounted in a 2 liter sealed enclosure

Impedance Response

