6NSM51 8 Ω

Sealed Midrange

- 500 W continuous program power capacity
- 51 mm (2 in) aluminium voice coil
- 300 - 6000 Hz response
- 100 dB sensitivity
- Ideal for Direct Radiation and Horn Loaded Midrange application
- Aluminium demodulating ring for Extremely Low Distortion

For simplified cabinet assembly and efficient thermal transfer to the air, our NSM series of sealed back midranges feature a cast aluminum sealed chassis, high strength neodymium motor, and large internal volume for good low frequency performance. Large voice coils provide power handling, while careful selection of suspension and cone components results in exceptional sensitivity. These dedicated narrow-bandwidth midranges offer the lowest distortion at given output of any midrange available.





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SPECIFICATIONS

Nominal Diameter	**170 mm (6.5 in)**
Nominal Impedance	**8 Ω**
Minimum Impedance	**6.6 Ω**
Nominal Power Handling 2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minumum impedance. Loudspeaker in free air.	**250 W**
Continuous Power Handling Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	**500 W**
Sensitivity Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	**100 dB**
Frequency Range	**300 Hz - 6000 Hz**
Voice Coil Diameter	**51 mm (2 in)**
Winding Material	**Aluminium**
Former Material	**Glass Fibre**
Winding Depth	**8.5 mm (0.33 in)**
Magnetic Gap Depth	**6 mm (0.24 in)**
Flux Density	**1.6 T**
Woofer Cone Treatment	**WP Waterproof Front Side**

PARAMETERS

Thiele-Small parameters are measured after a high level 20 Hz sine wave preconditioning test.

Fs	**280 Hz**
Re	**5.4 Ω**
Qes	**0.68**
Qms	**5.4**
Qts	**0.6**
Vas	**0.7 dm^3 (0.02 ft^3)**
Sd	**143 cm^2 (22.17 in^2)**
η0	**2.2 %**
Xmax	**2.8 mm**
Xvar	**3 mm**
Mms	**13.5 g**
Bl	**13.9 Tm**
Le	**0.15 mH**
EBP	**412 Hz**

DESIGN

Surround Shape	**Triple Roll**
Cone Shape	**Radial**
Magnet Material	**Neodymium Ring**
Spider	**Single**
Pole Design	**T-Pole**
Woofer Cone Treatment	**WP Waterproof Front Side**

MOUNTING AND SHIPPING INFO

Overall Diameter	**187 mm (7.36 in)**
Bolt Circle Diameter	**172 mm (6.77 in)**
Baffle Cutout Diameter	**151 mm (5.94 in)**
Depth	**113 mm (4.45 in)**
Flange and Gasket Thickness	**11 mm (0.43 in)**
Air Volume Occupied by Driver	**2 dm^3 (0.07 ft^3)**
Net Weight	**2.25 kg (4.96 lb)**
Shipping Units	**1 pcs**
Shipping Weight	**2.48 kg (5.46 lb)**
Shipping Box	**210x180x150 mm (8.27x7.09x5.91 in)**

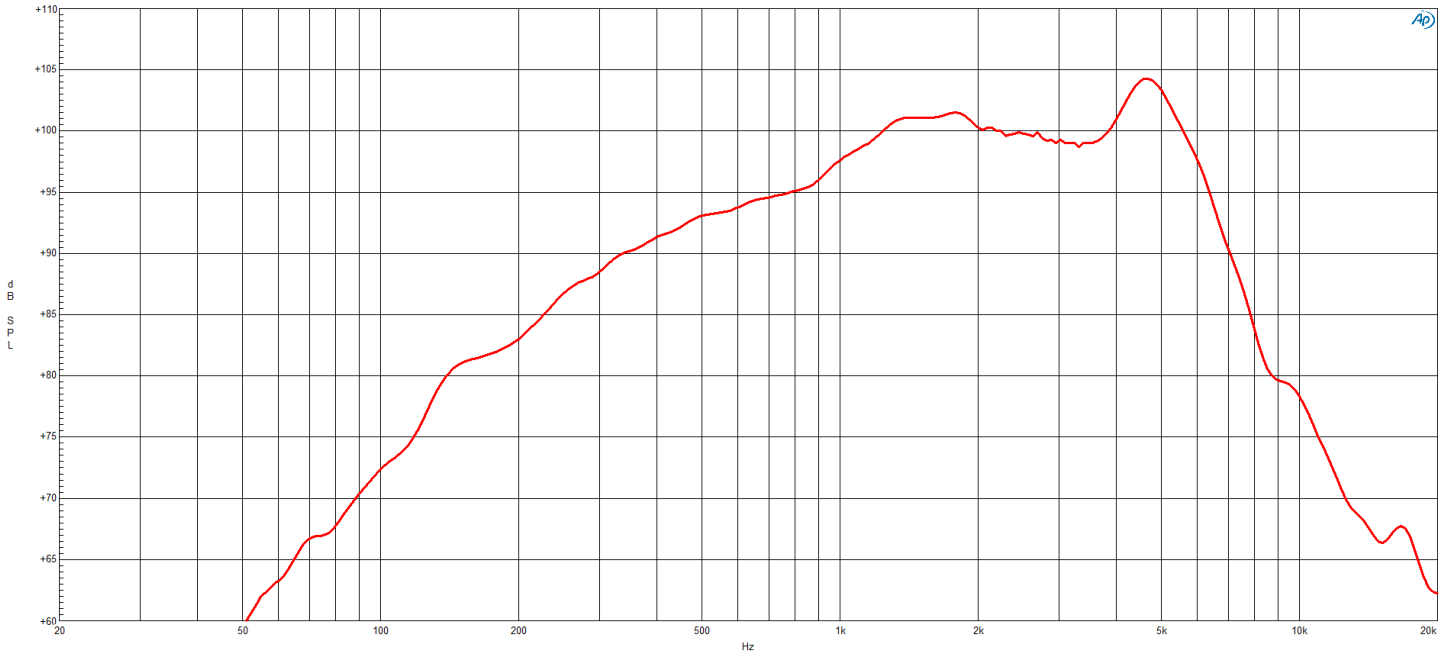
SERVICE KITS

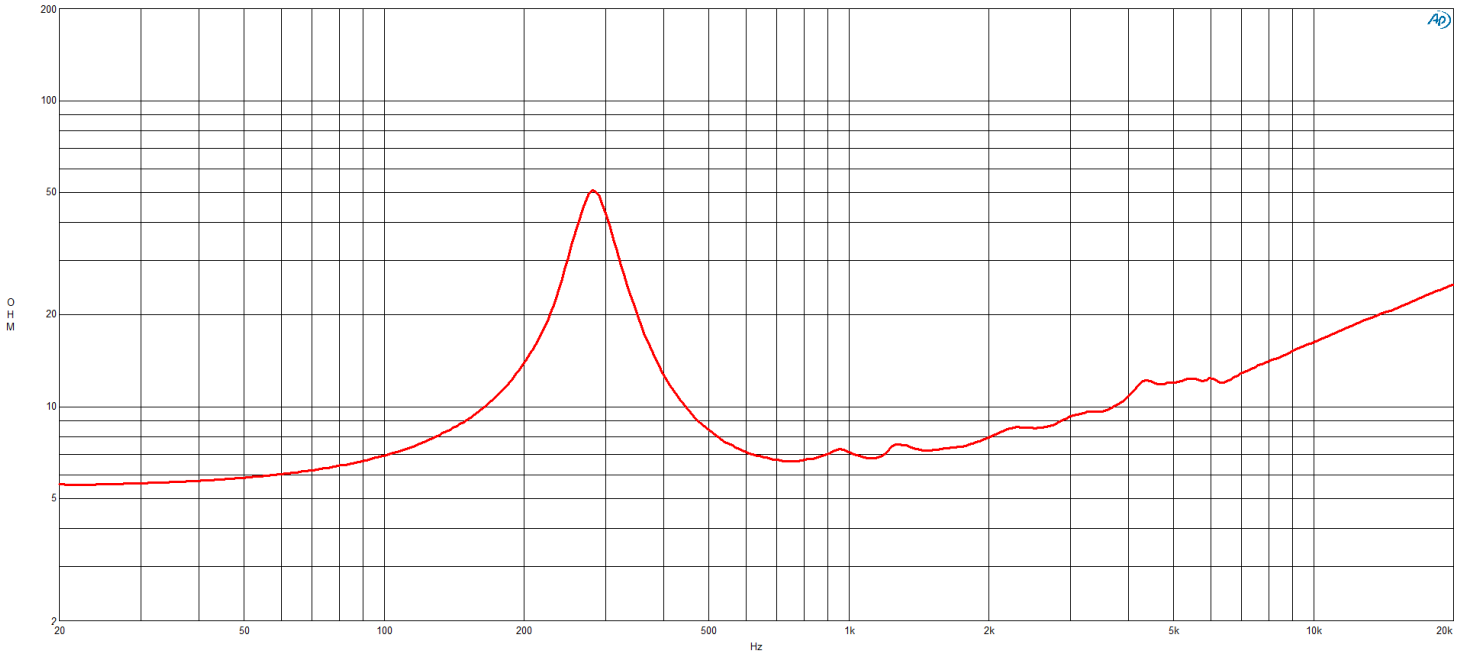
LF recone-kits	**RCK06NSM518**

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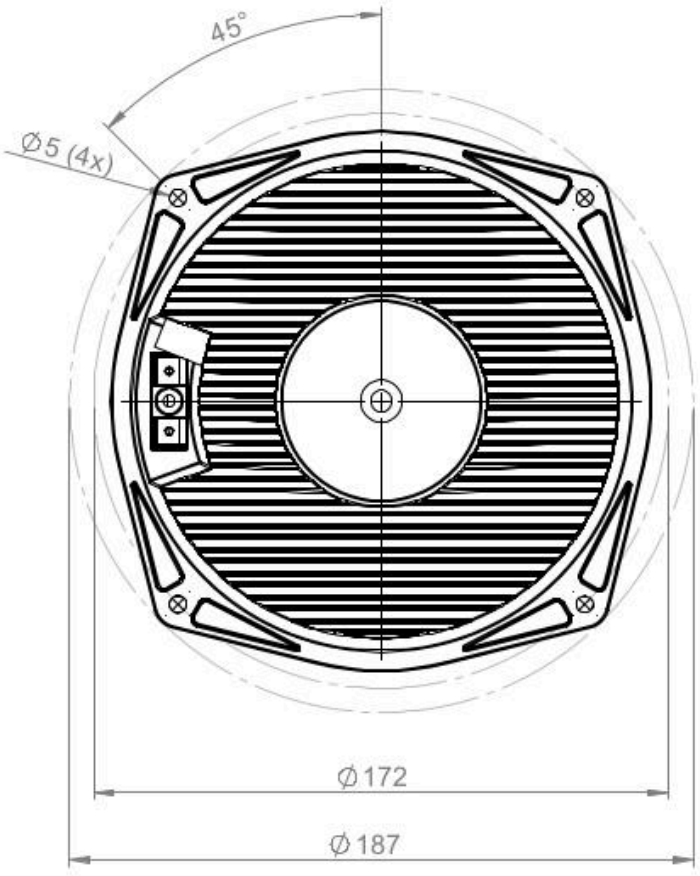
Sealed Midrange

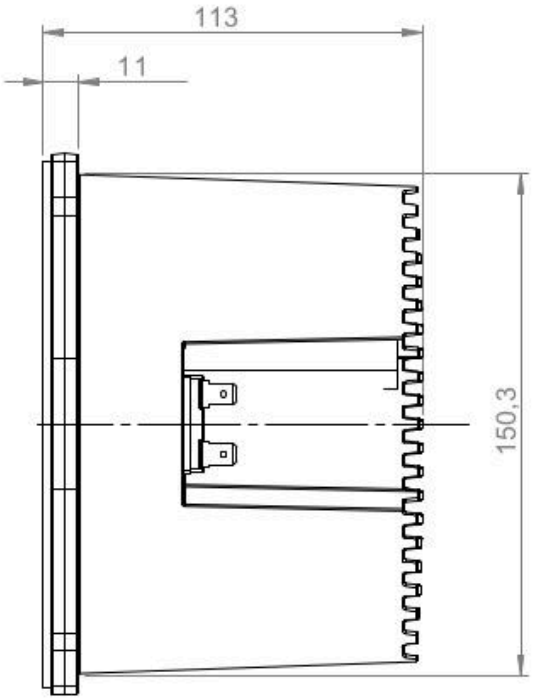




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