

**5MDN38** 8 Ω

Midrange

- 180 W continuous program power capacity
- 38 mm (1.5 in) aluminium voice coil
- 175 - 10000 Hz response
- 97 dB sensitivity
- Shorting copper cap for extended HF response



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**SPECIFICATIONS**

Nominal Diameter	<b>127 mm (5 in)</b>
Nominal Impedance	<b>8 Ω</b>
Minimum Impedance	<b>7 Ω</b>
Nominal Power Handling	<b>90 W</b>
2 hours test made with continuous pink noise signal within the range Fs-10Fs. Power calculated on rated minimum impedance. Loudspeaker in free air.	
Continuous Power Handling	<b>180 W</b>
Power on Continuous Program is defined as 3 dB greater than the Nominal rating.	
Sensitivity	<b>97 dB</b>
Applied RMS Voltage is set to 2.83 V for 8 ohms Nominal Impedance.	
Frequency Range	<b>175 Hz - 10000 Hz</b>
Voice Coil Diameter	<b>38 mm (1.5 in)</b>
Winding Material	<b>Aluminium</b>
Former Material	<b>Glass Fibre</b>
Winding Depth	<b>10 mm (0.4 in)</b>
Magnetic Gap Depth	<b>6 mm (0.24 in)</b>
Flux Density	<b>1.25 T</b>
Woofer Cone Treatment	<b>WP Waterproof Front Side</b>

**PARAMETERS**

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

Fs	<b>175 Hz</b>
Re	<b>5.5 Ω</b>
Qes	<b>0.36</b>
Qms	<b>2.3</b>
Qts	<b>0.31</b>
Vas	<b>1.4 dm<sup>3</sup> (0.05 ft<sup>3</sup>)</b>
Sd	<b>95 cm<sup>2</sup> (14.7 in<sup>2</sup>)</b>
η <sub>0</sub>	<b>2 %</b>
X <sub>max</sub>	<b>3.5 mm</b>
X <sub>var</sub>	<b>4 mm</b>
M <sub>ms</sub>	<b>8 g</b>
Bl	<b>11.1 Tm</b>
Le	<b>0.4 mH</b>
EBP	<b>486 Hz</b>

**DESIGN**

Surround Shape	<b>Triple Roll</b>
Cone Shape	<b>Exponential</b>
Magnet Material	<b>Neodymium Ring</b>
Spider	<b>Single</b>
Pole Design	<b>Straight Pole</b>
Woofer Cone Treatment	<b>WP Waterproof Front Side</b>

**MOUNTING AND SHIPPING INFO**

Overall Diameter	<b>155 mm (6.1 in)</b>
Bolt Circle Diameter	<b>142 mm (5.6 in)</b>
Baffle Cutout Diameter	<b>122 mm (4.8 in)</b>
Depth	<b>75 mm (2.95 in)</b>
Flange and Gasket Thickness	<b>9 mm (0.35 in)</b>
Air Volume Occupied by Driver	<b>0.35 dm<sup>3</sup> (0.01 ft<sup>3</sup>)</b>
Net Weight	<b>0.94 kg (2.07 lb)</b>
Shipping Units	<b>1 pcs</b>
Shipping Weight	<b>1.14 kg (2.51 lb)</b>
Shipping Box	<b>210x210x125 mm (8.27x8.27x4.92 in)</b>

**SERVICE KITS**

LF recone-kits	<b>RCK005MDN388</b>
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