Neodymium series

15N850y²
Neodymium Ultra Low Distortion Woofer

Features:
- 95dB sensitivity 1W/1m
- 1.200W Power handling
- 4” copper sandwich voice coil for low power compression
- Neodymium magnet system
- Double treated cone for water protection
- Triple aluminum demodulating rings for ultra low distortion
- Optimal for high output subwoofers

SPECIFICATIONS

<table>
<thead>
<tr>
<th>APPLICATION</th>
<th>subwoofer</th>
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<tbody>
<tr>
<td>Nominal impedance</td>
<td>Ohm 8</td>
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<tr>
<td>Power handling AES noise</td>
<td>W 1200</td>
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<tr>
<td>Sensitivity (1W/1m)</td>
<td>dB 95</td>
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<tr>
<td>Frequency response</td>
<td>Hz 20 - 200</td>
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<tr>
<td>Voice coil diameter</td>
<td>mm 101.6(4&quot;)</td>
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<tr>
<td>Voice coil material</td>
<td>Cu</td>
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<tr>
<td>Voice coil winding depth</td>
<td>mm 36</td>
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<tr>
<td>Magnet gap depth</td>
<td>mm 12</td>
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<tr>
<td>Basket</td>
<td>Cast Aluminum</td>
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<tr>
<td>Effect. diaphragm diameter D</td>
<td>mm 328</td>
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THIELE - SMALL PARAMETERS

- Resonance frequency (Fs): Hz 37
- DC resistance (Re): Ohm 5.6
- Mechanical Q factor (Qms): 7.38
- Electrical Q factor (Qes): 0.34
- Total Quality factor (Qts): 0.33
- Equivalent volume (Vas): L 110.96
- Moving mass (Mms): kg 0.167
- Mechanical compl. (Cms): mm/N 0.17
- BL factor (BL): Tesla m 25.2
- Effective piston area (Sd): m² 0.0845
- Max. linear excursion (Xmax): mm ± 12
- Voice coil inductance (Le1k): mH 1.43
- Le10k: mH 0.58

Mounting Information

- Overall diameter: mm 388
- Mounting holes diameter: mm 8 x (7 x 8)
- Bolt circle diameter: mm 371
- Baffle cut-out diameter: mm 357
- Overall depth: mm 200
- Net weight: kg 8.55

Recommended reflex enclosure:
- 50L/43Hz, BRD=160mm/522mm long
- 75L/35Hz, BRD=175mm/64mm long