**WOOFER**

**HT300G0 W04PGV4511**

12” Coated paper cone
Rubber surround
Steel chassis

- Progressive rolls spider “Long Neck Process”
- Bumped back plate for long excursion
- Dual stacked magnet for high BL and long excursion
- Large rubber surround
- Kapton former coil
- Flat copper wire
- Heavy Gauge Stamped Steel Chassis
- Ideal for Home Cinema or Car subwoofer

All dimensions in mm

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**Response Curve**

**Waterfall**

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**SPECIFICATIONS**

**Technical characteristics**

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Value</th>
<th>Units</th>
</tr>
</thead>
</table>

**PRIMAR Y APPLICATION**

- Nominal Impedance: $Z = 4 \, \Omega$
- Resonance Frequency: $F_s = 38.8 \, \text{Hz}$
- Nominal Power Handling: $P = 225 \, \text{W}$
- Sensitivity ($2.83 \, \text{V} \cdot \text{m} / \text{W}$): $E = 94 \, \text{dB}$

**VOICE COIL**

- Voice Coil Diameter: $\phi = 45 \, \text{mm}$
- Minimum Impedance: $Z_{min} = 5.8 \, \Omega$
- DC Resistance: $DC_{res} = 3.2 \, \Omega$
- Voice Coil Inductance: $L_{coil} = 1.83 \, \text{mH}$
- Voice Coil Length: $l = 22 \, \text{mm}$
- Former: kapton
- Number of Layers: $n = 2$
- Wire type: round
- Wire material: copper

**MAGNET**

- Magnet Dimensions: $a \times h = 2x(121+2a) \, \text{mm}$
- Magnet Weight: $m = 2x0.89Kg \, \text{kg}$
- Flux Density: $B = 1.2 \, \text{T}$
- Force Factor: $BL = 10.73 \, \text{NA}$
- Height of Magnetic Gap: $Hg = 6 \, \text{mm}$
- Stray Flux: $F_{mag} = - \, \text{Am}^{-1}$
- Linear Excursion: $X_{max} = 8 \, \text{mm}$

**PARAMETERS**

- Suspension Compliance: $C_{s} = 203 \, \mu\text{m/N}$
- Mechanical Q Factor: $Q_{m} = 10.39 \, -$
- Electrical Q Factor: $Q_{e} = 0.98 \, -$
- Total Q Factor: $Q_{t} = 0.50 \, -$
- Mechanical Resistance: $R_{m} = 1.95 \, \text{kg s}^{2} / \text{m}$
- Moving Mass: $M_{m} = 83.08 \, \text{g}$
- Effective Piston Area: $S = 0.227 \, \text{cm}^{2}$
- Volume Equivalent to Air at Cx: $V_{a} = 77.7 \, \text{ft}^{3}$
- Mass of Speaker: $M = 4.3 \, \text{kg}$

**Suggested Applications**

<table>
<thead>
<tr>
<th>$V_{b}$</th>
<th>$F_{b}$</th>
<th>$D_{p}$</th>
<th>$L_{p}$</th>
<th>$F_{-3}$</th>
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<tbody>
<tr>
<td>liters</td>
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<td>Hz</td>
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<td>-</td>
<td>52.2</td>
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<td>10</td>
<td>15</td>
<td>32.9</td>
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</tbody>
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[Image of the HT300G0 woofer specifications and response curves.]