



## Woofer

# ARN-188-05/8

Woofer for HiFi loudspeaker systems. It differs from type ARN-188-03 in coating of cone into the spiral.

### ACOUSTICAL DATA

Rated noise power <sup>1)</sup>	60 W
Short term maximum power <sup>2)</sup>	120 W
Rated impedance	8 Ohm
Resonance frequency $F_s$ <sup>4)</sup>	43.587 Hz
Rated frequency range	40 - 4000 Hz
Sensitivity <sup>3)</sup>	85 dB

### TS PARAMETERS

Acquired by MLSSA	
Effective piston area $S_d$	134.780 cm <sup>2</sup>
DC resistance of voice coil $R_e$	7.307 Ohm
Mechanical Q factor $Q_{ms}$	4.292
Electrical Q factor $Q_{es}$	0.693
Total Q factor $Q_{ts}$	0.596
Voice coil inductance $L_e$	0.567
Equivalent volume $V_{as}$	29.579 l
Moving mass (including air load) $M_{ms}$	11.501 g
Suspension compliance $C_{ms}$	1159.300 $\mu\text{M}/\text{Newton}$
Force factor $Bl$	5.765 Tm
Maximum linear displacement $X_{max}$ <sup>5)</sup>	7 mm

### MECHANICAL DATA

Voice coil carrier material	aluminium
Voice coil diameter	25.4 mm
Winding height of voice coil	13 mm
Yoke diameter	25 mm
Air gap height	5 mm
Magnet external diameter	82 mm
Magnet internal diameter	33 mm
Magnet height	17 mm
Compensating magnet external diameter	- mm
Compensating magnet internal diameter	- mm
Compensating magnet height	- mm
Weight	1 kg

### TEST CONDITIONS

Sweep voltage	4.5 V
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