



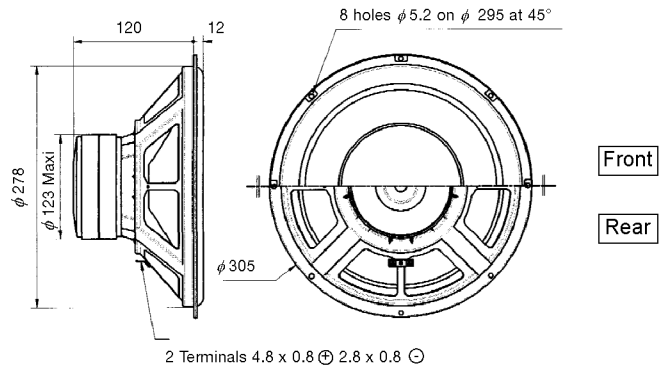
## WOOFER

HT300G0 W04PGV4511  
 102127M

102319P

Jan. 2000

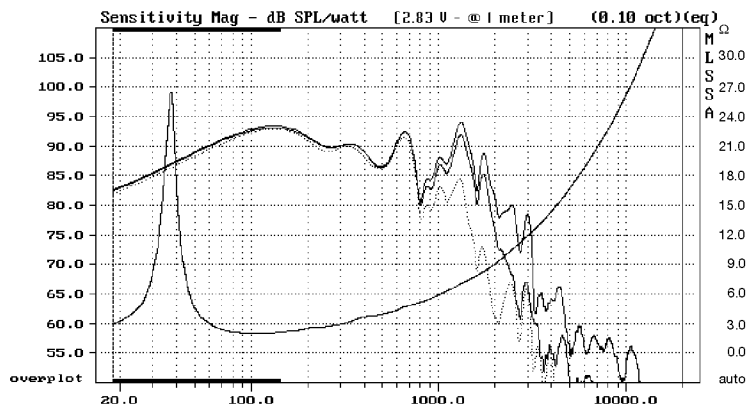
**12" Coated paper cone**  
**Rubber surround**  
**Steel chassis**



All dimensions in mm

- 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

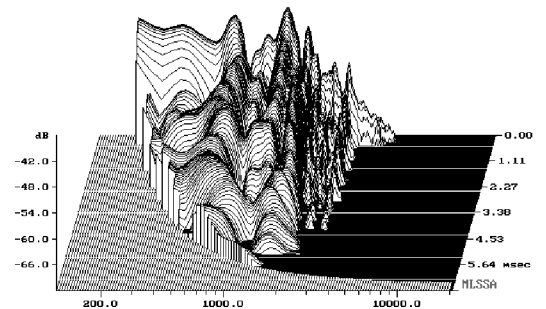
## Response Curve



RESPONSE CURVE : — on axis  
 — 30° off-axis    ..... 60° off-axis

IMPEDANCE CURVE

## Waterfall



Cumulative Spectral Decay    Log Frequency - Hz

## SPECIFICATIONS

Technical characteristics	Symbol	Value	Units
<b>PRIMARY APPLICATION</b>			
Nominal Impedance	Z	4	Ω
Resonance Frequency	Fs	38,8	Hz
Nominal Power Handling	P	225	W
Sensitivity (2,83 V - 1m)	E	94	dB
<b>VOICE COIL</b>			
Voice Coil Diameter	φ	45	mm
Minimum Impedance	Zmin	3,8	Ω
DC Resistance	Dcr	3,2	Ω
Voice Coil Inductance	Lbm	1,83	mH
Voice Coil Length	h	22	mm
Former	-	kapton	-
Number of Layers	n	2	-
Wire type	-	round	-
Wire material	-	copper	-

## MAGNET

Magnet Dimensions	φ x h	2x(121x20)	mm
Magnet Weight	m	2x(0,89kg)	kg
Flux Density	B	1,2	T
Force Factor	BL	10,73	NA <sup>-1</sup>
Height of Magnetic Gap	He	6	mm
Stray Flux	Fmag	-	Am <sup>-1</sup>
Linear Excursion	Xmax	±8	mm

## PARAMETERS

Suspension Compliance	Cms	203	μm/N
Mechanical Q Factor	Qms	10,39	-
Electrical Q Factor	Qes	0,56	-
Total Q Factor	Qts	0,53	-
Mechanical Resistance	Rms	1,95	kg s <sup>-1</sup>
Moving Mass	Mms	83,08	g
Effective Piston Area	S	522,7	cm <sup>2</sup>
Volume Equivalent of Air at Cas	Vas	77,7	liters
Mass of Speaker	M	4,3	kg

## Suggested Applications

Vb	Fb	Dp	Lp	F-3
liters	Hz	cm	cm	Hz
60	-	-	-	52,2
100	32,5	10	15	32,9