

# T 780MHS

## SPEAKER - 8" - 4 OHMS

The T 780 MHS is an 8-inch speaker designed to reproduce sound frequency ranges between 70 and 7,000Hz with fidelity and naturalness. It can be used in various car audio systems, such as: stage trucks front speakers, horn speakers, four-way systems, stunt walls, home speaker boxes, among others. Furthermore, it is highly recommended for professional sound systems, such as line arrays, monitors, cinemas, theaters, among other applications.



### ELECTRICAL PARAMETERS

RMS POWER	390 W
MUSICAL PROGRAM POWER	780 W
NOMINAL IMPEDANCE	4 Ohms
RESISTANCE (RE)	3 Ohms/VCC
NO (EFFICIENCY REFERENCE)	1.28 %
SENSITIVITY (@ 1W, 1m)-Free-Air	93.087 dB
DIAPHRAGM MASS (MMD)	28.336 g
TOTAL MASS (MMS)	30.134 g
BL PRODUCT	11.732 TM
MECHANICAL Q (Qms)	8.386
ELECTRIC Q (Qes)	0.334
TOTAL Q (Qts)	0.321
COMPLIANCE (CMS)	128.520u M/N
EQUIVALENT VOLUME (VAS)	8.344 L
FREQUENCY RESPONSE	70 Hz to 7000 Hz
RESONANCE FREQUENCY	80.874 Hz
Le @ 1 kHz (coil inductance at 1kHz)	0.481 mH
EFFECTIVE CONE AREA (SD)	0.0213 M <sup>2</sup>
CONE EXCURSION WITHOUT DISTORTION (X MAX)	+/- 4.5 mm
FLOW DENSITY IN THE GAP	12,380 GAUSS

*Thiell-Small parameters are obtained after applying a sinusoidal level of 50hz for a period of 30 minutes. A tolerance of + - 15% on the specified values is allowed.*

### MECHANICAL PARAMETERS

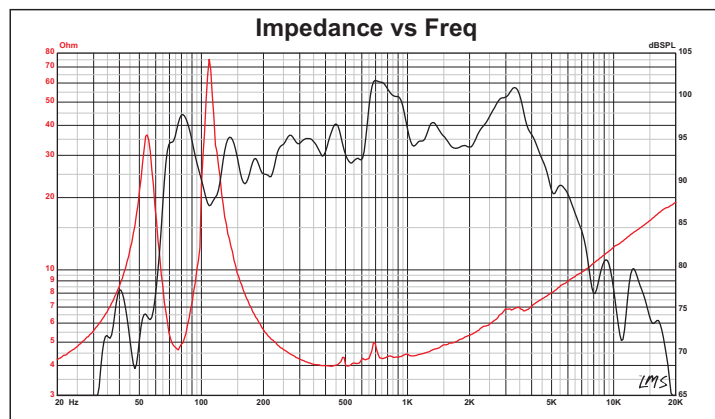
NOMINAL DIAMETER	8 Inches
FERRITE MEASURES	169 x 86 x 24 mm
COIL DIAMETER	3 Inches
COIL HEIGHT	14 mm
COIL WIRE MATERIAL	Aluminio
COIL WIRE SECTION	Flat
COIL SHAPE	*Kapton
GAP HEIGHT	6 mm
HOUSING MATERIAL	Aluminum
FERRITE MATERIAL	Barium
WEIGHT	5.684 Kg
VOLUME OCCUPIED ON THE CABINET	1.560 Liters
CONNECTOR TYPE	Post

\* Kapton trademark registered by DUPONT

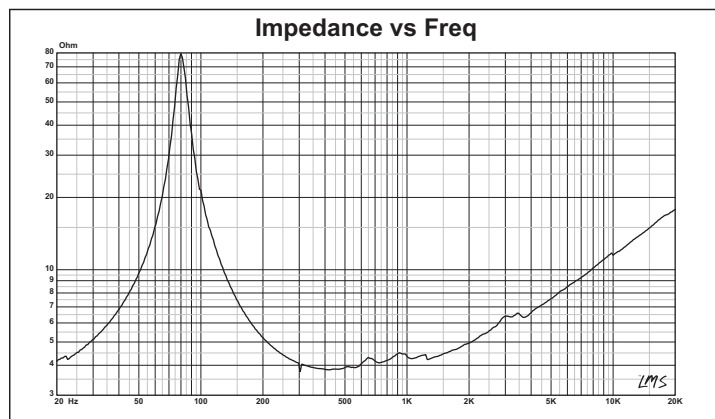
### CABINETS SUGGESTION

MODEL	VOLUME	DUCTS	DUCTS	DUCTS	SINTONY	(H.P.F)	ATTENUATION
	LITERS	QUANT.	DIAM.	DEPTH			
VENTED BOX	16	02	3"(POL)	210 mm	77 Hz	70 Hz	12 dB/ Octave

NOTE: Features, specifications and appearance are subject to change without notice.

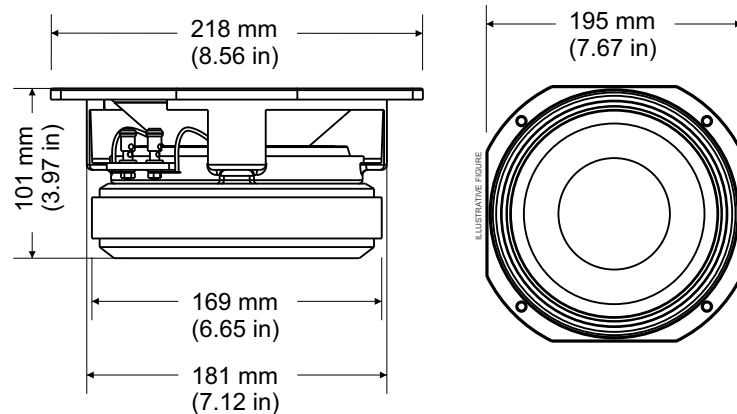


Response curve in a 50l box tuned to 31 Hz in an anechoic chamber, 1W / 1M.



Impedance curve Free-Air.

### PRODUCT DIMENSIONS



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### ELECTRICAL PARAMETERS

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MUSICAL PROGRAM POWER	780 W
NOMINAL IMPEDANCE	8 Ohms
RESISTANCE (RE)	5.3 Ohms/VCC
NO (EFFICIENCY REFERENCE)	1.32 %
SENSITIVITY (@ 1W, 1m)-Free-Air	93.209 dB
DIAPHRAGM MASS (MMD)	25.908 g
TOTAL MASS (MMS)	27.705 g
BL PRODUCT	14.541 TM
MECHANICAL Q (Qms)	10.383
ELECTRIC Q (Qes)	0.365
TOTAL Q (Qts)	0.353
COMPLIANCE (CMS)	130.465u M/N
EQUIVALENT VOLUME (VAS)	8.470 L
FREQUENCY RESPONSE	70 Hz to 7000 Hz
RESONANCE FREQUENCY	83.713 Hz
Le @ 1 kHz (coil inductance at 1kHz)	0.853 mH
EFFECTIVE CONE AREA (SD)	0.0213 M <sup>2</sup>
CONE EXCURSION WITHOUT DISTORTION (X MAX)	+/- 4.5 mm
FLOW DENSITY IN THE GAP	11.800 GAUSS

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### MECHANICAL PARAMETERS

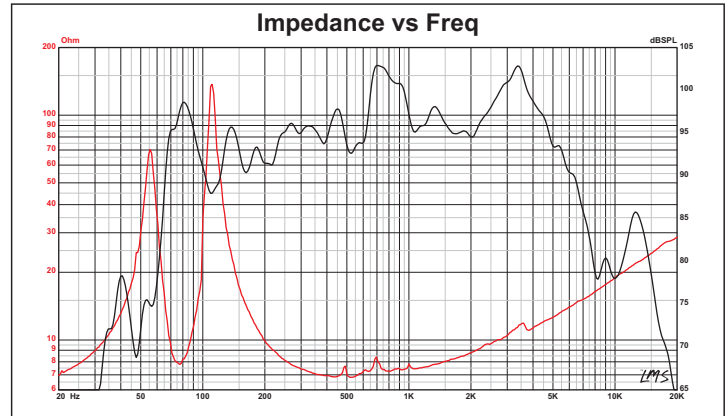
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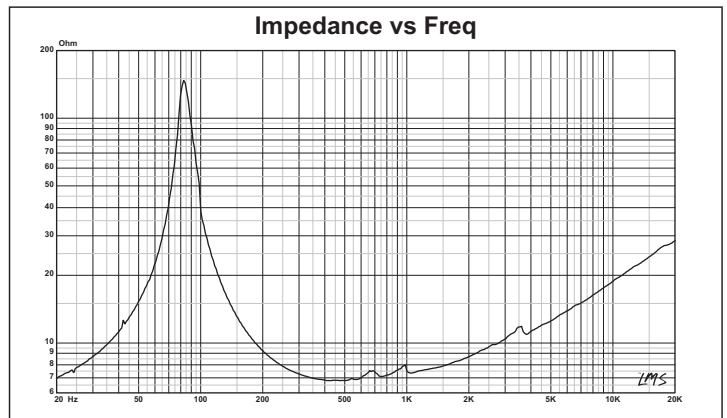
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