

# SUBWOOFER

## 15 SUB 1000 XT

Recommended for professional audio like Bass and Sub bass. A technical evolution of the 15 800, better thermal resistance, better mechanical resistance, better linearity in distortion indices and low power compression ratio. It has 3 ventilation systems for coil heat exchange, Siliconized double centering. Great performance, 94.9 dB SPL. The 15 SUB 1000 XT supports up to 2000w of power in music program. Ideal working range from 40 to 1.2 kHz. Ideal for Cinemas, Pa, Side Fill, Line Array, Multi Use Boxes, Churches and more. Visit [Oversound.com.br](http://Oversound.com.br), see this and other products that fit perfectly into your design.



### SPECIFICATIONS \* ⑤

NOMINAL DIAMETER:	15 Inches
NOMINAL IMPEDANCE:	8 Ω
MINIMUM IMPEDANCE:	8.1 Ω
RATING POWER * ①:	1000 w
PROGRAM POWER * ②:	2000 w
SENSITIVITY * ③:	94.9 dB
FREQUENCY RANGE:	40-1200 Hz
COIL DIAMETER:	4 Inches
COIL WIRE:	COPPER
FORMER MATERIAL:	POLYIMIDE
WINDING DEPTH (HVC):	29 MM
MAGNETIC GAP DEPTH (HAG):	15 MM
VOLUME OCCUPIED (SPEAKER):	5.0 L

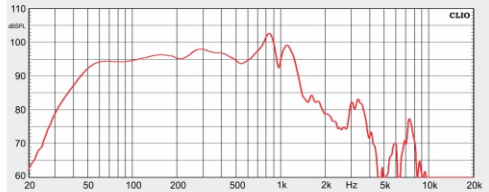
### TS PARAMETERS \* ④

RESONANCE FREQUENCY:	Fs	44 Hz
COIL RESISTANCE:	Re	5.7 Ω
ELECTRICAL QUALITY FACTOR:	Qes	0.40
MECHANICS QUALITY FACTOR:	Qms	10.2
TOTAL QUALITY FACTOR:	Qts	0.39
EQUIVALENT VOLUME:	Vas	87 L
CONE EFFECTIVE AREA:	Sd	908 cm <sup>2</sup>
REFERENCE EFFICIENCY:	No	1.86 %
MAXIMUM DISPLACEMENT:	Xmax	10.7 mm
MAXIMUM PEAK BEFORE DAMAGE:	Xlim	18 mm
MOVABLE MASS:	Mms	166 g
INDUCTANCE:	Le	2.23 mH
BL:		25.6 T-m

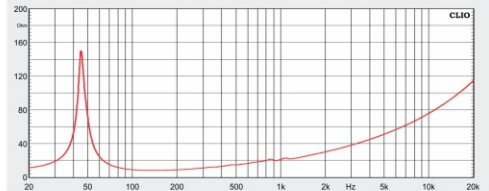
### MATERIALS

MAGNET:	BARIUM FERRITE
FRAME:	ALUMINUM
CONE:	CELLULOSE
SUSPENSION:	TISSUE

### RESPONSE CURVE \* ⑥

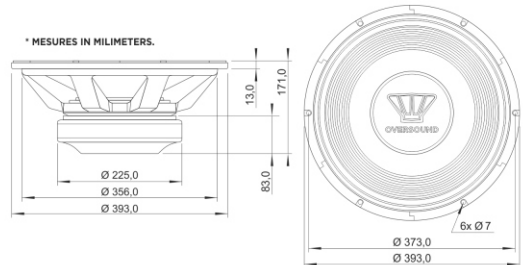


### IMPEDANCE



### DIMENSIONS

PACKING:	405 x 405 x 190 mm
GROSS WEIGHT:	14.2 Kg
NET WEIGHT:	13.5 Kg



NR 15 Annex 1: Exposure to noise above the specified limits by the Standard may cause hearing loss or damage. OVERSOUND is not responsible for the improper use of its products (ordinance 3214/78). According to FEDERAL LAW n° 11.191/06, we report that damage to hearing exposed to power above 85 decibels may occur.

① 2 hour test done with continuous pink noise (crest factor of 6 dB) in the specific range and calculated power over the minimum impedance in the open air.

② Program power set at 3 dB above nominal specification.

③ 2.83 V. RMS.

④ Softened for 2 hours at 15 Hz at high level. Performed at 26.9°C, relative humidity at 43% and atmospheric pressure at 1011.4 mbar.

⑤ Specifications and design subject to change without prior notice, in accordance with the technological evolution of the product.

⑥ Curve response with speaker in box of 134 L, tuning of 48.8 Hz. Without smoothing.