

# DRIVER PARAMETERS

## REFERENCE:

6 W 4452

Date: 18/07/2008

**Fs:** 55,43 Hz

**Qts:** 0,437

**Ces:** 169,55 mF

**Rcc:** 7,79 Ohms

**Sd:** 124,69 Cm<sup>2</sup>

**Les:** 48,62 mH

**Qes:** 0,460

**Vas:** 13,19 Liters

**Res:** 149,53 Ohms

**Qms:** 8,830

**Cas:** 9,39E-08 m<sup>5</sup>/N

**D:** 12,60 Cm

**Rms:** 0,538 Kg/s

**Mas:** 87,80 Kg/m<sup>4</sup>

**Mms:** 13,65 Gr

**Cms:** 6,04E-04 m/N

**Ras:** 3462,86 Ohms.ac

**Bl:** 8,97 N/A

**T:** 657,33 ms<sup>-2</sup>

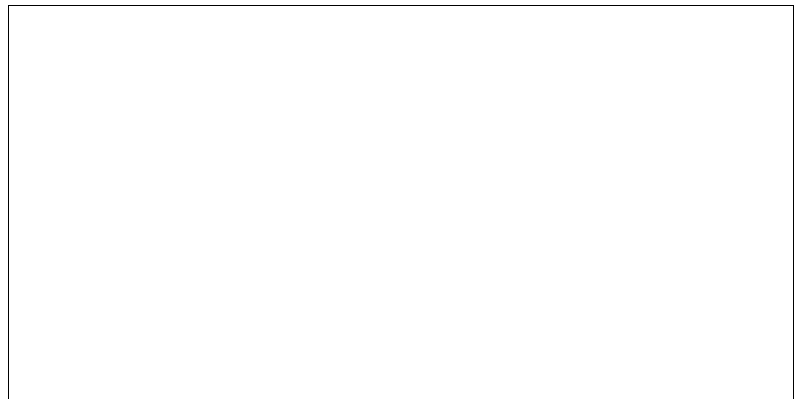
**Lvc:**

**Inductance:** 0,97 mH

**N:** 0,47 percent

**NO:** 88,73 dB/W/m

**Hgap:** 6,00 mm



Fs: Resonance frequency of driver (free air)

Rcc: Dc resistance of driver voice-coil

Qes: Driver Q at Fs considering electrical resistance Rcc only

Qms: Driver Q at Fs considering driver nonelectrical losses only

Qts: Total driver Q at Fs resulting from all driver resistances

D: Effective piston diameter

Sd: Effective projected surface area of driver diaphragm

Mms: Moving mass including air mass

Bl: Motor transduction constant

Vas: Volume of air having same acoustic compliance as driver suspension

Cas: Acoustic compliance of driver suspension

Mas: Acoustic mass of driver diaphragm assembly including voice coil and air load

Ras: Acoustic resistance of driver suspension losses

Ces: Electrical capacitance representing driver

Les: Electrical inductance representing driver compliance

Res: Electrical resistance representing driver suspension losses

Rms: Mechanical resistance representing driver suspension losses

# FOCAL

# **DRIVER PARAMETERS**

T: Acceleration Factor

N: Efficiency

No: Sensitivity

Cms: Driver mechanical compliance

Lvc: Voice-coil Length

Hgap: Gap Height

# **FOCAL**