

# DRIVER PARAMETERS

## REFERENCE:

6 W 4251

Date: 02/07/2008

**Fs:** 48,25 Hz

**Qts:** 0,423

**Ces:** 494,78 mF

**Rcc:** 3,00 Ohms

**Sd:** 136,85 Cm<sup>2</sup>

**Les:** 21,99 mH

**Qes:** 0,450

**Vas:** 21,12 Liters

**Res:** 47,73 Ohms

**Qms:** 7,160

**Cas:** 1,50E-07 m<sup>5</sup>/N

**D:** 13,20 Cm

**Rms:** 0,574 Kg/s

**Mas:** 72,35 Kg/m<sup>4</sup>

**Mms:** 13,55 Gr

**Cms:** 8,03E-04 m/N

**Ras:** 3063,57 Ohms.ac

**Bl:** 5,23 N/A

**T:** 386,21 ms<sup>-2</sup>

**Lvc:** 15,00 mm

**Inductance:** 0,36 mH

**N:** 0,51 percent

**NO:** 89,06 dB/W/m

**Hgap:** 6,00 mm

Type of loudspeaker:electrodynamic  
Outer diameter of voice coil former (mm):25  
Material of voice coil wire:Kapton  
Diameter of voice coil wire:0.25  
Winding height of voice coil (mm):15  
Number of servings (1,2,4,...):1  
total number of windings:1  
Magnetic-flux density (Tesla):1.2

Fs: Resonance frequency of driver (free air)

Rcc: Dc resistance of driver voice-coi

Qes: Driver Q at Fs considering electrical resistance Rcc onl

Qms: Driver Q at Fs considering driver nonelectrical losses onl

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

D: Effective piston diameter

Sd: Effective projected surface area of driver diaphragm

Mms: Moving mass including air mas

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: Mecanical 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**