

DRIVER PARAMETERS

REFERENCE:

6 W 4255

Date: 02/07/2008

Fs: 48,25 Hz

Qts: 0,423

Ces: 494,78 mF

Rcc: 3,00 Ohms

Sd: 136,85 Cm²

Les: 21,99 mH

Qes: 0,450

Vas: 21,12 Liters

Res: 47,73 Ohms

Qms: 7,160

Cas: 1,50E-07 m⁵/N

D: 13,20 Cm

Rms: 0,574 Kg/s

Mas: 72,35 Kg/m⁴

Mms: 13,55 Gr

Cms: 8,03E-04 m/N

Ras: 3063,57 Ohms.ac

Bl: 5,23 N/A

T: 386,21 ms⁻²

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

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T: Acceleration Factor

N: Efficiency

No: Sensitivity

Cms: Driver mechanical compliance

Lvc: Voice-coil Length

Hgap: Gap Height

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