

DRIVER PARAMETERS

REFERENCE:

6 W 4253

Date: 02/07/2008

Fs: 47,12 Hz

Qts: 0,452

Ces: 275,41 mF

Rcc: 6,50 Ohms

Sd: 136,85 Cm2

Les: 41,42 mH

Qes: 0,530

Vas: 23,28 Liters

Res: 37,53 Ohms

Qms: 3,060

Cas: 1,66E-07 m5/N

D: 13,20 Cm

Rms: 1,247 Kg/s

Mas: 68,83 Kg/m4

Mms: 12,89 Gr

Cms: 8,85E-04 m/N

Ras: 6659,49 Ohms.ac

Bl: 6,84 N/A

T: 530,74 ms-2

Lvc: 12,40 mm

Inductance: 0,54 mH

N: 0,44 percent

NO: 88,46 dB/W/m

Hgap: 6,00 mm

Type of loudspeaker:electrodynamic
Outer diameter of voice coil former (mm):25
Material of voice coil wire:aluminium
Diameter of voice coil wire:
Winding height of voice coil (mm):12.4
Number of servings (1,2,4,...):
total number of windings:
Magnetic-flux density (Tesla):

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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