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Sample Specifications

Datum / Date: 25.02.2015

Bezeichnung / Denomination: 6x9 PPS-2 Ohm
 Projekt / Project: Hochtemperatur Lautsprecher
 Muster-Nr. / Sample-No.: 7539
 Kunde / Customer: Gerkinsmeyer



Gleichstromwiderstand / R_{dc} 1,9 \wedge
 DC restance
Nennimpedanz / Z_N 2 \wedge
 Nominal impedance
Resonanzfrequenz f_s 32,23HZ
 Resonance frequency
Spulendurchmesser 37mm
 Voice coil diameter
Spulenbreite / 14mm
 Voice coil height

Mechanische Güte / Q_{ms} 4,26
 Mechanical Q factor
Elektrische Güte / Q_{es} 0,49
 Electrical Q factor
Gesamtgüte Q_{ts} 0,44
 Total Q factor

Dynamisch bewegte Masse / m_d 41,35g
 Moving mass

Effektive Membranfläche / S_m 212cm²
 Effective piston area

Mechanischer Widerstand / R_{ms} 1,97Kg/s
 Mechanical resistance

Nachgiebigkeit / C_{ms} 0,59mm/N
 Compliance

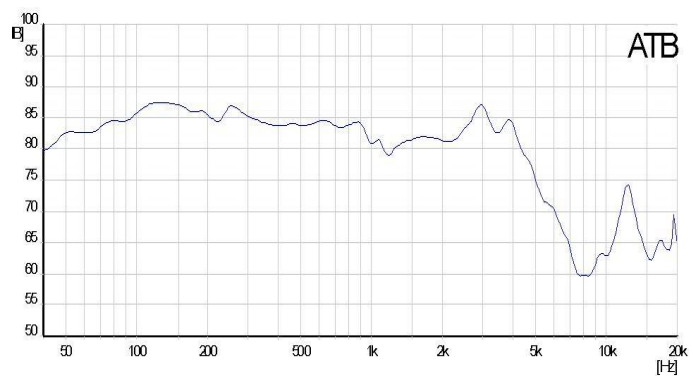
Antriebsfaktor / BL 5,71Tm
 Force factor

Äquivalentvolumen / V_{as} 37,22dm³
 Equivalent air volume

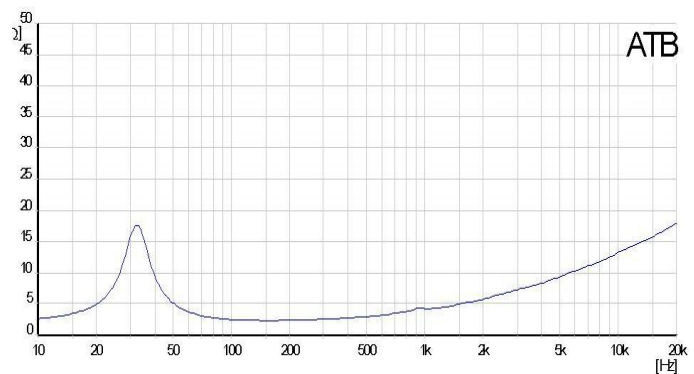
Wirkungsgrad / | 0,25%
 Efficiency

SPL 1W/1m 85,91dB
SPL 2,83V/1m 92,16dB

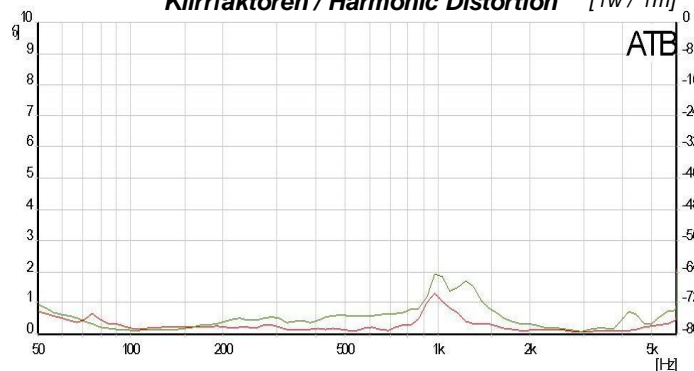
Frequenzgang / Frequency response [1W/1m]



Impedanzverlauf / Impedance



Klirrfaktoren / Harmonic Distortion [1w / 1m]



rot / red: K2 grün / green: K3