



Vertrieb:

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Sales:

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Hersteller :

Ehmann & Partner GmbH

Bernbrunner Str. 54

Manufacturer :

D-74831 Gundelsheim

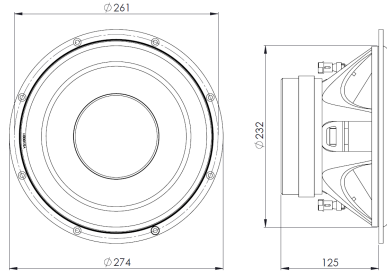
Tel.: +49 (0)7136 95 09 0

Email: soaudio@epacoustics.com

Datenblatt / Speaker Specification

**Bezeichnung /
Denomination:**

SO250-2x2



**Artikel-Nr. /
Article-No.:**

970 0030 00

www.soaudio.de

Gleichstromwiderstand/

DC resistance $(2.1 \Omega \pm 2.1 \Omega)$ R_{dc} 4.2 Ω

Nennimpedanz/

Nominal impedance Z_N 5 Ω

Spulen Induktivität/ (10KHz)

Voice coil inductance L_e 2,4 mH

Resonanzfrequenz /

Resonance frequency f_s 29 HZ

Spulendurchmesser/

Voice coil diameter 65 mm

Spulenbreite/

Voice coil height 30 mm

Linearer Hub/

Linear excursion ± 10 mm

Mechanische Güte /

Mechanical Q factor Q_{ms} 8.4

Elektrische Güte /

Electrical Q factor Q_{es} 0.4

Gesamtgüte /

Total Q factor Q_{ts} 0.39

Dynamisch bewegte Masse/

Moving mass m_d 138 g

Effektive Membranfläche/

Effective piston area S_d 346 cm²

Mechanischer Widerstand/

Mechanical resistance R_{ms} 3.0 kg/s

Nachgiebigkeit/

Compliance C_{ms} 0.22 mm/N

Antriebsfaktor/

Force factor BL 16.3 Tm

Äquivalentvolumen/

Equivalent air volume V_{as} 37.5 dm³

Wirkungsgrad/

Efficiency η 0.22 %

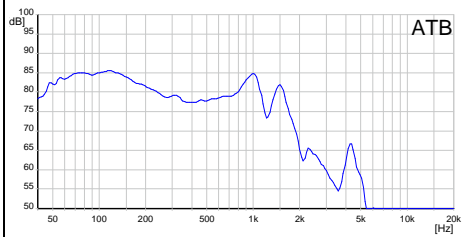
SPL 1W/1m

85.6 dB

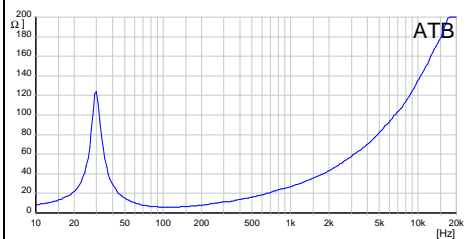
SPL 2,83V/1m

88.4 dB

Frequenzgang / Frequency response [1W/1m]



Impedanzverlauf / Impedance



Klirrfaktor / Harmonic distortion [1W/1m]



rot / red: K2 grün / green: K3