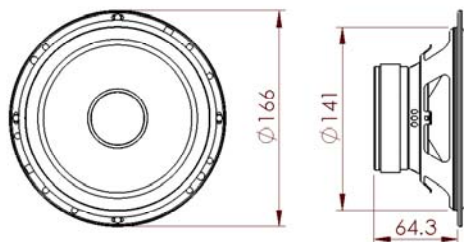


## Datenblatt / Speaker Specification

**Bezeichnung /**  
*Denomination:* Set S0165-2.8

**Artikel-Nr. /**  
*Article-No.:* 970 0028 00



[www.soaudio.de](http://www.soaudio.de)

**Gleichstromwiderstand /**  
*DC resistance*  $R_{dc}$  2.8  $\Omega$

**Nennimpedanz /**  
*Nominal impedance*  $Z_N$  3  $\Omega$

**Resonanzfrequenz /**  
*Resonance frequency*  $f_s$  56 HZ

**Spulendurchmesser /**  
*Voice coil diameter* 25 mm

**Spulenbreite /**  
*Voice coil height* 12 mm

**Spuleninduktivität (10KHz) /**  
*Voice coil inductance*  $L_e$  0,2 mH

**Mechanische Güte /**  
*Mechanical Q factor*  $Q_{ms}$  4.09

**Elektrische Güte /**  
*Electrical Q factor*  $Q_{es}$  0.65

**Gesamtgüte /**  
*Total Q factor*  $Q_{ts}$  0.56

**Dynamisch bewegte Masse /**  
*Moving mass*  $m_d$  13.2 g

**Effektive Membranfläche /**  
*Effective piston area*  $S_m$  135 cm<sup>2</sup>

**Mechanischer Widerstand /**  
*Mechanical resistance*  $R_{ms}$  1.1 kg/s

**Nachgiebigkeit /**  
*Compliance*  $C_{ms}$  0.6 mm/N

**Antriebsfaktor /**  
*Force factor*  $BL$  4.5 Tm

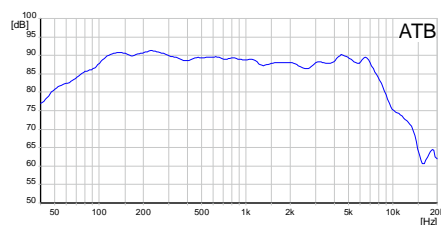
**Äquivalentvolumen /**  
*Equivalent air volume*  $V_{as}$  16 dm<sup>3</sup>

**Wirkungsgrad /**  
*Efficiency*  $\eta$  0.42 %

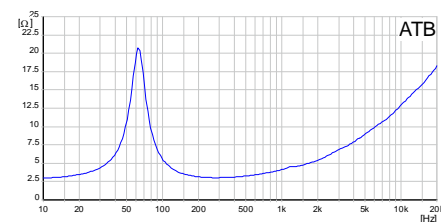
**SPL 1W/1m** 88,5 dB

**SPL 2,83V/1m** 93 dB

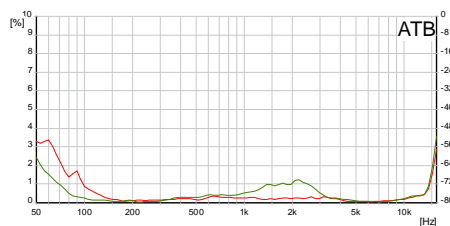
### Frequenzgang / Frequency response [1W/1m]



### Impedanzverlauf / Impedance



### Klirrfaktor / Harmonic distortion [1W/1m]



rot / red: K2 grün / green: K3



**Vertrieb:**

**Gernot Grabosch**  
Lilienweg 4  
D-91093 Hessdorf

Tel: +49 (0)172 23 90 92 3  
Email: gernot@audio-gym.com

**Hersteller :**

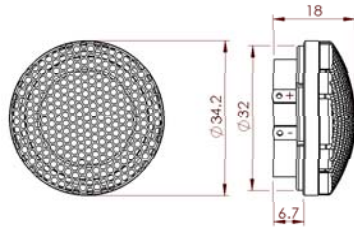
**Ehmann & Partner GmbH**  
Bernbrunner Str. 54  
D-74831 Gundelsheim

Tel.: +49 (0)7136 95 09 0  
Email: soaudio@epacoustics.com

## Datenblatt / Speaker Specification

Bezeichnung /  
Denomination: Set S019neo

Artikel-Nr. /  
Article-No.: 970 0025 00



www.soaudio.de

Gleichstromwiderstand/ DC resistance	$R_{dc}$ 3.4 $\Omega$
Nennimpedanz/ Nominal impedance	$Z_N$ 4 $\Omega$
Resonanzfrequenz / Resonance frequency	$f_s$ 1.5 kHz

Spulendurchmesser/ Voice coil diameter	19 mm
Spulenbreite/ Voice coil height	1.2 mm

Mechanische Güte / Mechanical Q factor	$Q_{ms}$
Elektrische Güte / Electrical Q factor	$Q_{es}$
Gesamtgüte / Total Q factor	$Q_{ts}$

Dynamisch bewegte Masse/ Moving mass	$m_d$ g
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Effektive Membranfläche/ Effective piston area	$S_m$ cm <sup>2</sup>
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Mechanischer Widerstand/ Mechanical resistance	$R_{ms}$ Kg/s
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Nachgiebigkeit/ Compliance	$C_{ms}$ mm/N
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Antriebsfaktor/ Force factor	$BL$ Tm
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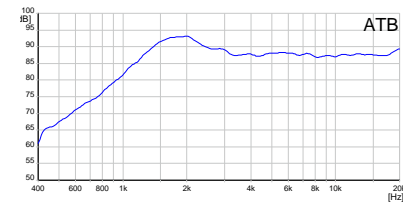
Äquivalentvolumen/ Equivalent air volume	$V_{as}$ dm <sup>3</sup>
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Wirkungsgrad/ Efficiency	$\eta$ %
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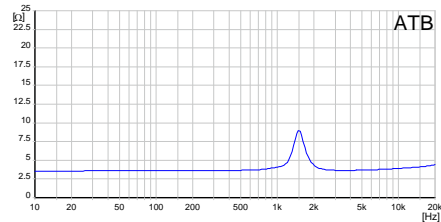
SPL 1W/1m	dB
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SPL 2,83V/1m	dB
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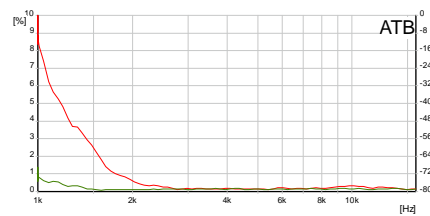
### Frequenzgang / Frequency response [1W/1m]



### Impedanzverlauf / Impedance



### Klirrfaktor / Harmonic distortion [1W/1m]



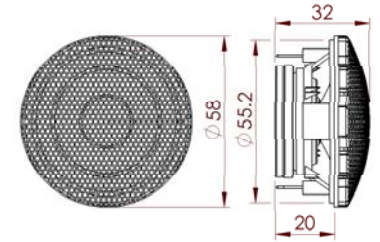
rot / red: K2 grün / green: K3

Weitere Informationen und technische Details unter [www.soaudio.de](http://www.soaudio.de)

## Datenblatt / Speaker Specification

Bezeichnung /  
Denomination: Set S055neo

Artikel-Nr. /  
Article-No.: 970 0024 00



www.soaudio.de

Gleichstromwiderstand/ DC resistance	$R_{dc}$ 3.4 $\Omega$
Nennimpedanz/ Nominal impedance	$Z_N$ 4 $\Omega$
Resonanzfrequenz / Resonance frequency	$f_s$ 239 Hz

Spulendurchmesser/ Voice coil diameter	12 mm
Spulenbreite/ Voice coil height	2.5 mm

Spuleninduktivität (10KHz) Voice coil inductance	$L_e$ 0.049 mH
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Mechanische Güte / Mechanical Q factor	$Q_{ms}$ 4.6
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Elektrische Güte / Electrical Q factor	$Q_{es}$ 0.8
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Gesamtgüte / Total Q factor	$Q_{ts}$ 0.7
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Dynamisch bewegte Masse/ Moving mass	$m_d$ 0.9 g
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Effektive Membranfläche/ Effective piston area	$S_m$ 15.2 cm <sup>2</sup>
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Mechanischer Widerstand/ Mechanical resistance	$R_{ms}$ 0.29 Kg/s
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Nachgiebigkeit/ Compliance	$C_{ms}$ 0.5 mm/N
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Antriebsfaktor/ Force factor	$BL$ 2.46 Tm
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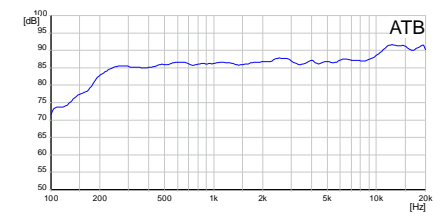
Äquivalentvolumen/ Equivalent air volume	$V_{as}$ 0.16 dm <sup>3</sup>
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Wirkungsgrad/ Efficiency	$\eta$ 0.26 %
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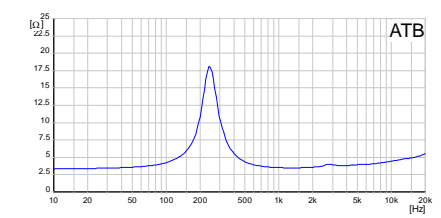
SPL 1W/1m	86,5 dB
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SPL 2,83V/1m	89,9 dB
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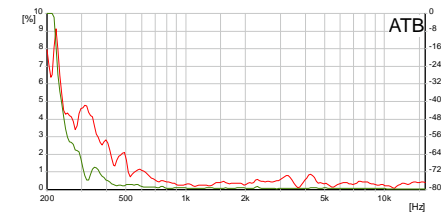
### Frequenzgang / Frequency response [1W/1m]



### Impedanzverlauf / Impedance



### Klirrfaktor / Harmonic distortion [1W/1m]



rot / red: K2 grün / green: K3

Weitere Informationen und technische Details unter [www.soaudio.de](http://www.soaudio.de)