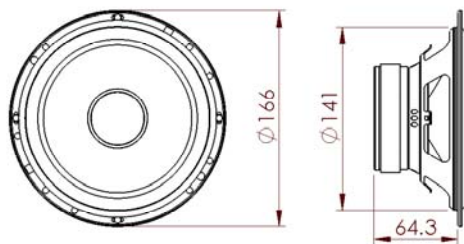


## Datenblatt / Speaker Specification

**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

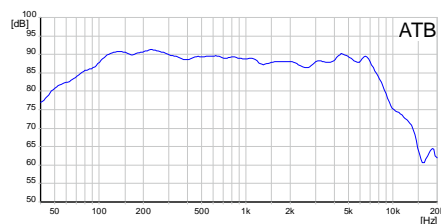
**Äquivalentvolumen /**  
**Equivalent air volume**  $V_{as}$  16 dm<sup>3</sup>

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

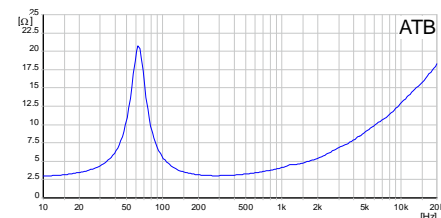
**SPL 1W/1m** 88,5 dB

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

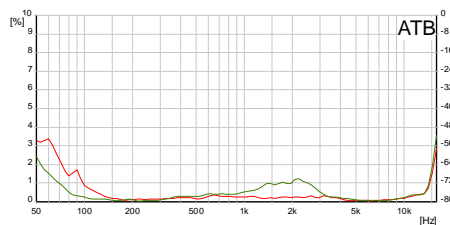
### Frequenzgang / Frequency response [1W/1m]



### 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 :**

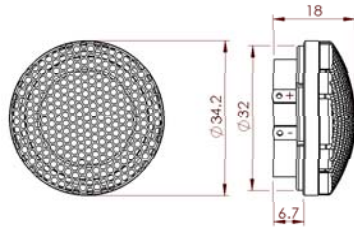
**Ehmann & Partner GmbH**  
Bernbrunner Str. 54  
D-74831 Gundelsheim

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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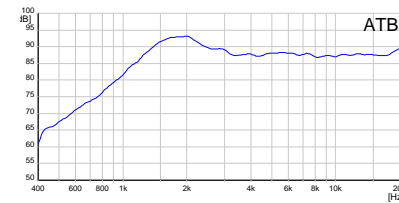
Äquivalentvolumen/ Equivalent air volume	$V_{as}$	dm <sup>3</sup>
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Wirkungsgrad/ Efficiency	$\eta$	%
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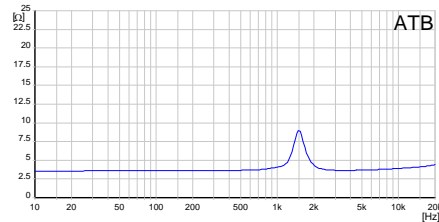
SPL 1W/1m	dB
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SPL 2,83V/1m	dB
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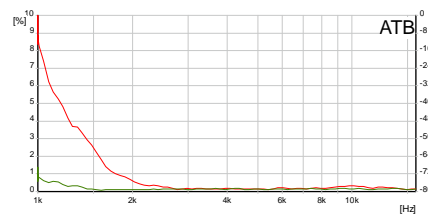
### Frequenzgang / Frequency response [1W/1m]



### Impedanzverlauf / Impedance



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



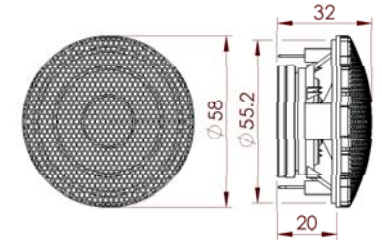
rot / red: K2 grün / green: K3

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

Mechanische Güte / Mechanical Q factor	$Q_{ms}$	4.6
Elektrische Güte / Electrical Q factor	$Q_{es}$	0.8
Gesamtgüte / Total Q factor	$Q_{ts}$	0.7

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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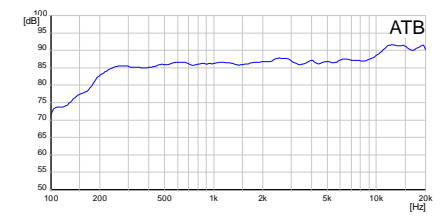
Äquivalentvolumen/ Equivalent air volume	$V_{as}$	0.16	dm <sup>3</sup>
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Wirkungsgrad/ Efficiency	$\eta$	0.26	%
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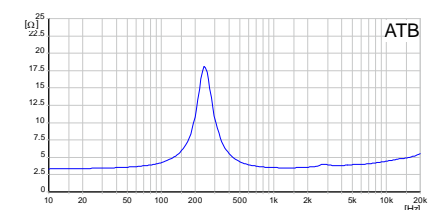
SPL 1W/1m	86,5	dB
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SPL 2,83V/1m	89,9	dB
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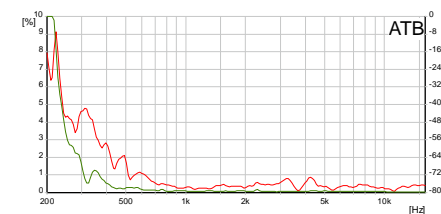
### Frequenzgang / Frequency response [1W/1m]



### 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)