MUNDORF®

Inner Excellence

*hifi*AMT Tweeter • Hochtöner

MUNDORF®

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Einführung Mundorf HiFi AMT
Introduction of Mundorf HiFi AMT

Mundorf bietet heute zweifelslos die weltweit größte Auswahl an Air Motion Transformer (AMT) für die unterschiedlichsten Anwendungen und Anforderungen an. In der vorliegenden Broschüre werden die aktuellen Modelle der Mundorf HiFi, Monitor und Hochwirkungsgrad-AMT vorgestellt. Allen gemeinsam ist das exzellente Impulsverhalten und die ungewöhnliche Verzerrungsarmut der Musikwiedergabe! Die Unterschiede liegen vor allem im Übertragungsbereich, dem Schalldruck und dem Bündelungsverhalten.

Die Modelle der AMT19-Reihe sind für den Einsatz in 3+Wege-Kombinationen entwickelt, die Baureihen AMT21, AMT23 und AMT25 eignen sich bestens für 2+Wege Anwendungen.

Die Varianten des AMT164U (patentierte U-Shape Polplatten) bieten sich aufgrund ihrer starken vertikalen Bündelung, ihrer hohen Empfindlichkeit und den sensationell niedrigen Klirrwerte für Monitorsysteme und HiFi-Anwendungen allerhöchsten Ansprüche an.

Die als Dipol-AMT entwickelten Modelle wurden in zwei Linien optimiert. Zum einen Dipol-Varianten, die für eine freistehende Montage optimiert wurden. Sie ähneln durch diese in ihrem Impulsverhalten einem, in offener Schallwand montierten Tiefmitteltöner. Für derartige Konzepte optimal geeignet sind AMT17D1.1, AMT17D2.1, AMT23D1.1, AMT25D1.1 und AMT27D1.1 .

Eine weiter Reihe an Dipolen ist für die Montage in nach hinten offenen Schallwänden optimiert: AMT23D6.1, AMT25D6.1, AMT27D6.1 .

Der Dipol AMT17D hat sich außerdem hervorragend als ergänzender Superhochtöner bewährt, der sich mittels mitgelieferten Komponenten akustisch und mechanisch leicht mit jeder Lautsprecherbox kombinieren lässt und freistehend auf ihr platziert werden kann.

Der AMT29 ist mit seiner hohen Empfindlichkeit von 100 dB, seiner außergewöhnlichen Linearität und seinem ausgedehnten Frequenzbereich die Synthese aus MUNDORF HIFI AMT und MUNDORF PRO AMT.

Informationen zu unserem AMT PRO Programm finden Sie unter mundorf.com.

Mundorf offers undoubtly today's largest selection of Air Motion Transformer (AMT) worldwide. Its different lineswere developed for certain applications and requirements. The present brochure introduces the current lines of Mundorf HiFi AMT tweeters, of which all have two superior key properties in common: An excellent transient response and an outstanding low distortion ratio! The differences lie mainly in their frequency ranges, sound pressure levels and dispersion angels.

AMT19 series are designed for use in 3+way-systems, whereas AMT21, AMT23 and AMT25 models are suitable for 2+way-applications.

The various AMT164U models (patented U-Shape pole plates) recommend themselve for usage in professional but high quality monitor systems as well as for the ultimat HiFi speaker. Their narrow vertical dispersion angle, high sensitivity and low distortion ratio result in both unique precision and musicality.

The dipole AMT models come in two lines. One line is optimized for a free-standing installation. Their transient response is very similar to a woofer's transient response when mounted in an open baffle. Ideally suited for such concepts are AMT17D1.1, AMT17D2.1, AMT23D1.1, AMT25D1.1 and AMT27D1.1 .

A second line of dipole AMTs is optimized for matching open-baffles concepts perfectly. Please look up AMT23D6.1, AMT25D6.1 and AMT27D6.1 .

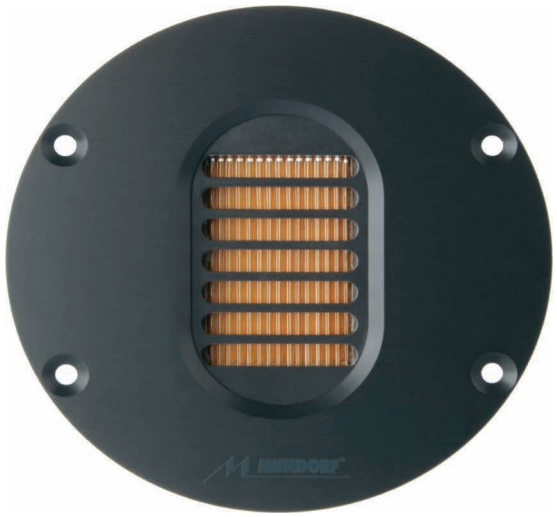
Dipole AMT17D has also proved itself as an outstanding supplementary super tweeter, which can easily be matched with any given speaker. Components for the perfect acoustical adjustment and propriate stands for free-standing on-top placement are availeble, too.

Finally, with its high 100 dB sensitivity, an exceptional linearity and its extended frequency range, AMT29 represents the perfect synthesis of MUNDORF HIFI AMT and MUNDORF PRO AMT models.

For more info on Mundorf PRO AMT please visit mundorf.com.

Tweeter · Hochtöner
***hifi*AMT®19CM1.1-C**

Preis/Price 179 €

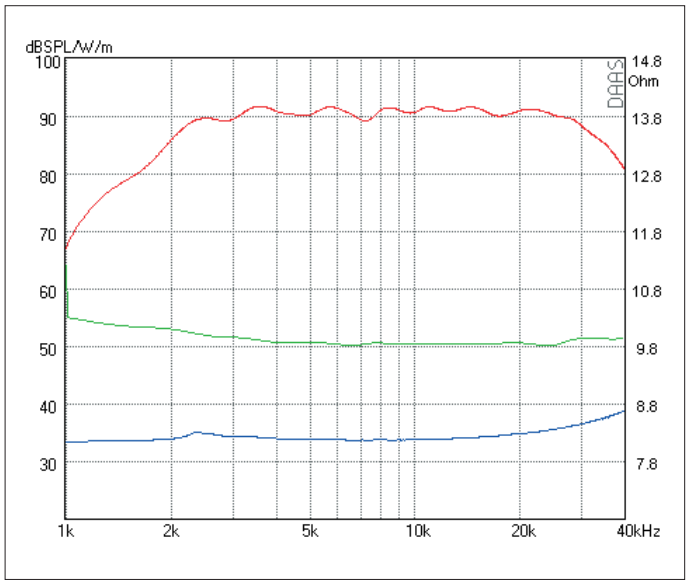


High End AMT für 3-Weg Systeme. Die 1.1-Variante ist für die Anwendung mit einer 12dB- Weiche optimiert und ermöglicht so eine besonders tiefe Übernahmefrequenz.

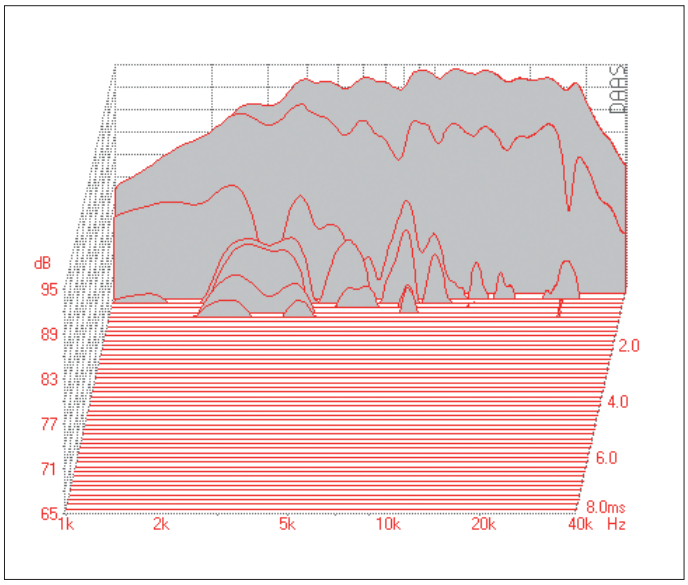
• Sehr niedrige Verzerrungen • Sehr flache Impedanzkurve
• Gutes Rundumstrahlverhalten

High End AMT for 3-way systems. The 1.1 version is optimized for use with a 12dB crossover, allowing a particularly low crossover frequency.

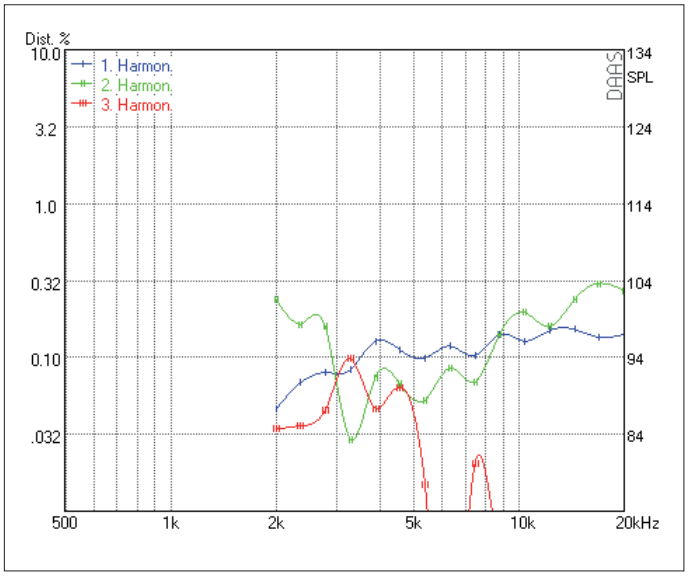
• Very low distortion • Very flat impedance curve
• Wide spread directivity



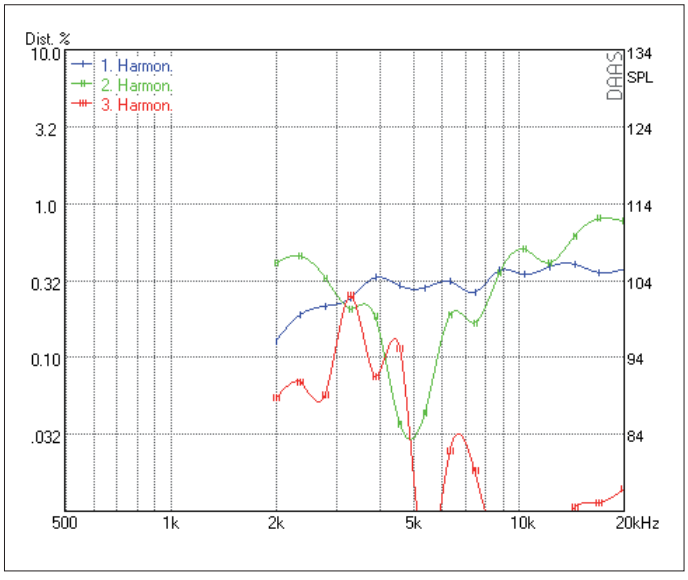
SPL 2.83 V - Phase - Impedance



Waterfall

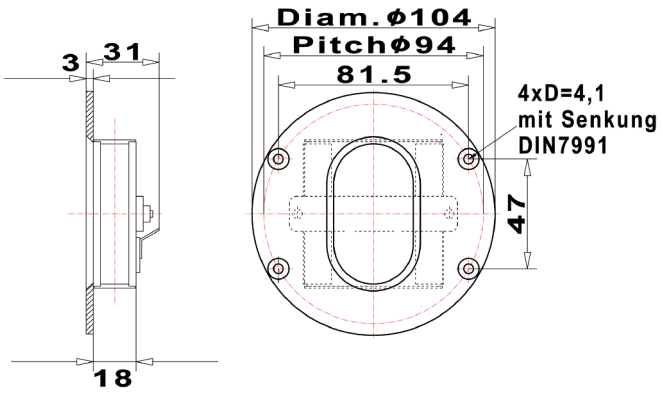


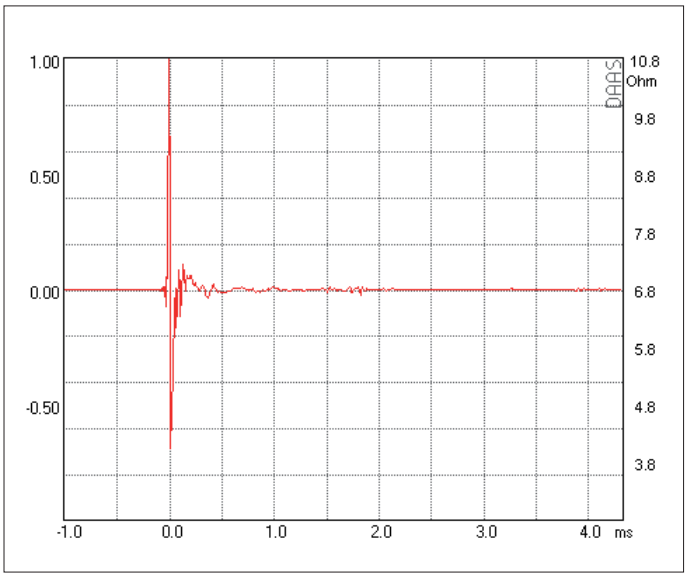
Harmonic Distortion 2.83 V



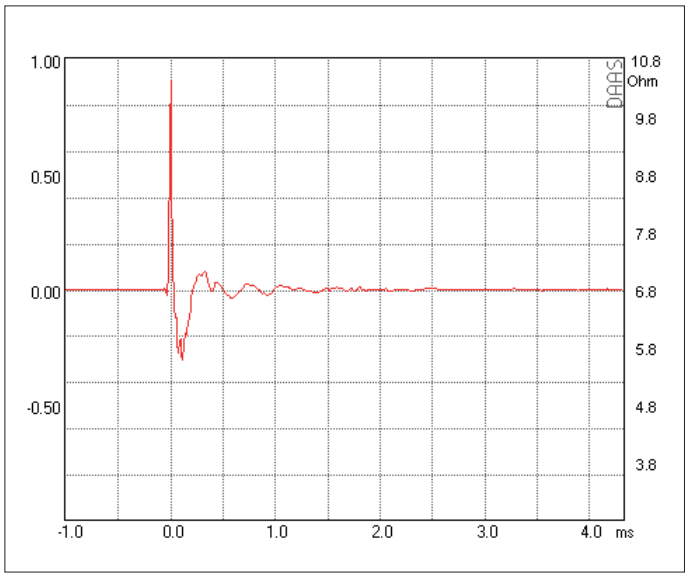
Harmonic Distortion 105 dB

RESISTANCE		NOMINAL 8 OHM
Zo 8.4 OHM	• Zmin 8.2 OHM •	RE 8.1 OHM
SENSITIVITY @ 2.83 V		91 dB
FREQUENCY RESPONSE / -6 dB		2000 Hz – 35 kHz
POWER HANDLING		120 W
RESONANCE FREQUENCY / FS		2300 Hz
RECOMMENDED CROSSOVER / 6 dB		3100 Hz
RECOMMENDED CROSSOVER / 12 dB		2800 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB		65°
DIAPHRAGM AREA		1260 mm²
MAGNET MATERIAL		NEODYMIUM
FACE PLATE		3 mm Anodized Aluminum

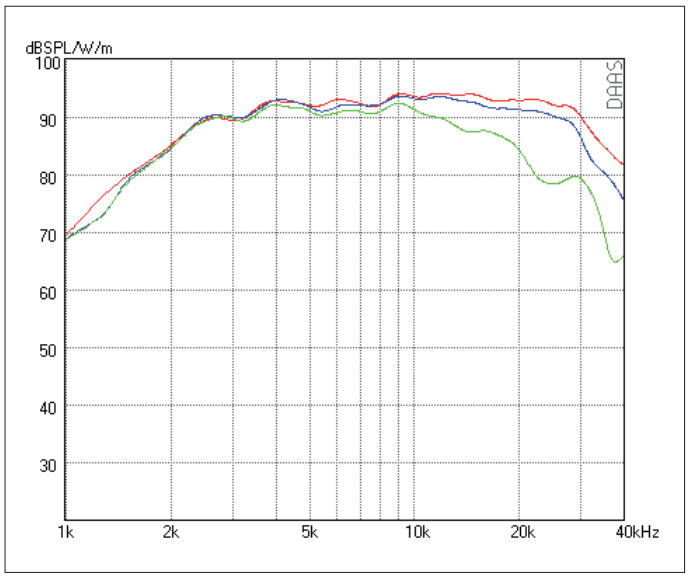




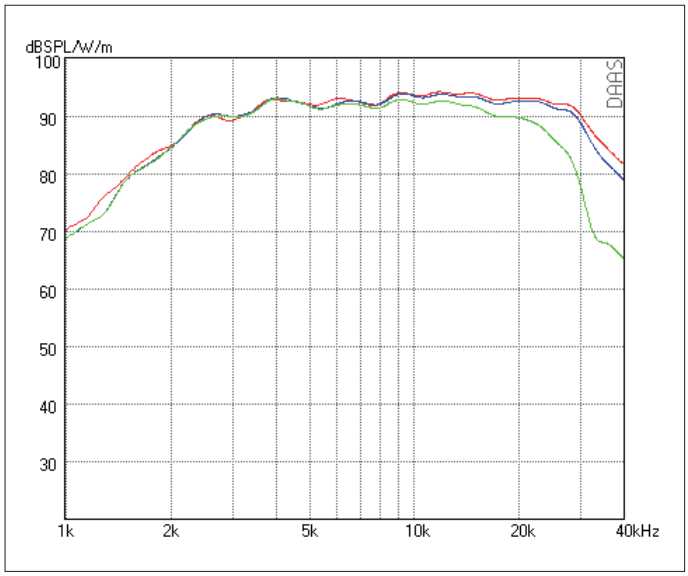
Impulse Response



Step Response



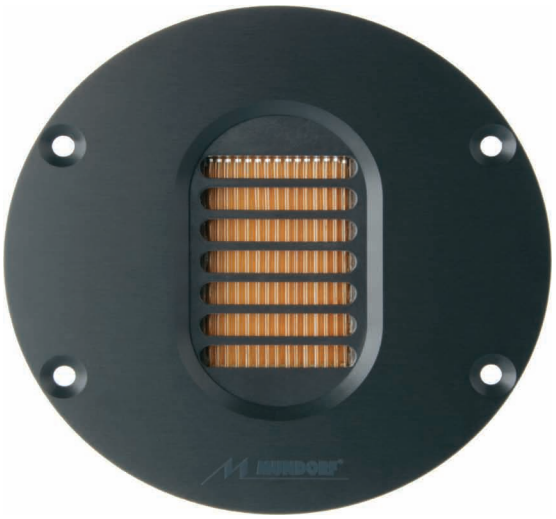
SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®19CM2.1-C

Preis/Price 179 €

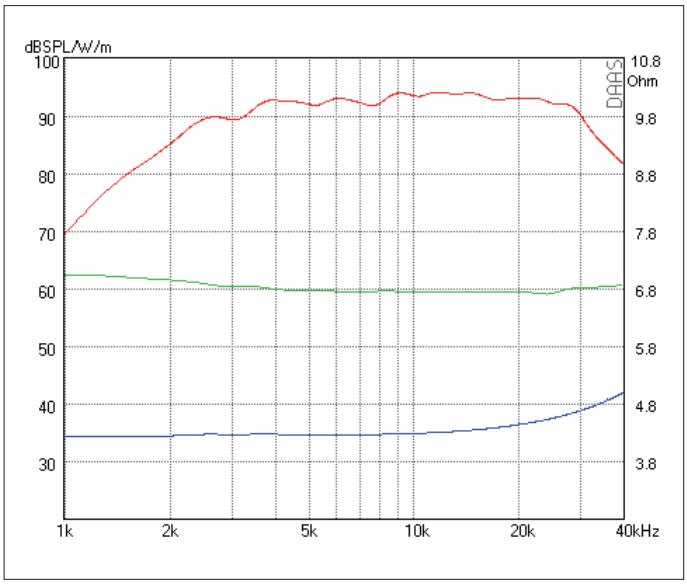


High End AMT für 3-Weg Systeme. Die 2.1-Variante ist eine 4 Ohm-Version und für die Anwendung mit einer 6dB- Weiche optimiert.

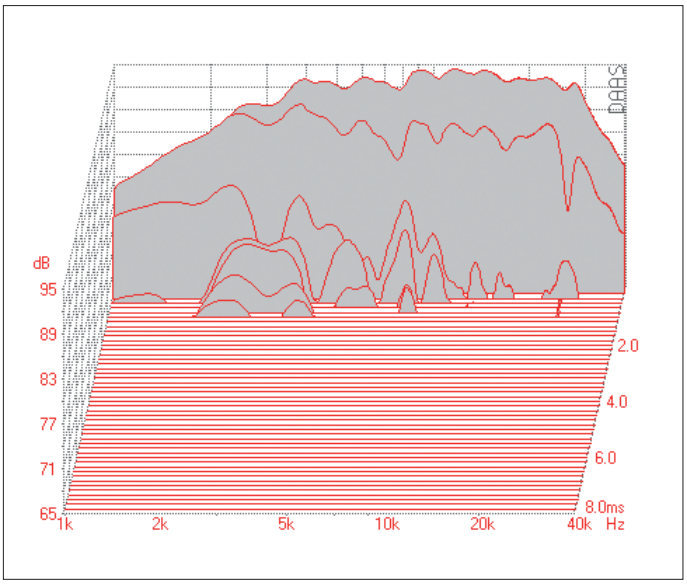
• Sehr niedrige Verzerrungen • Sehr flache Impedanzkurve
• Gutes Rundumstrahlverhalten • 6 dB Filter möglich

High End AMT for 3-way systems. The 2.1- type is a 4 ohm version and optimized for use with a 6dB x-over.

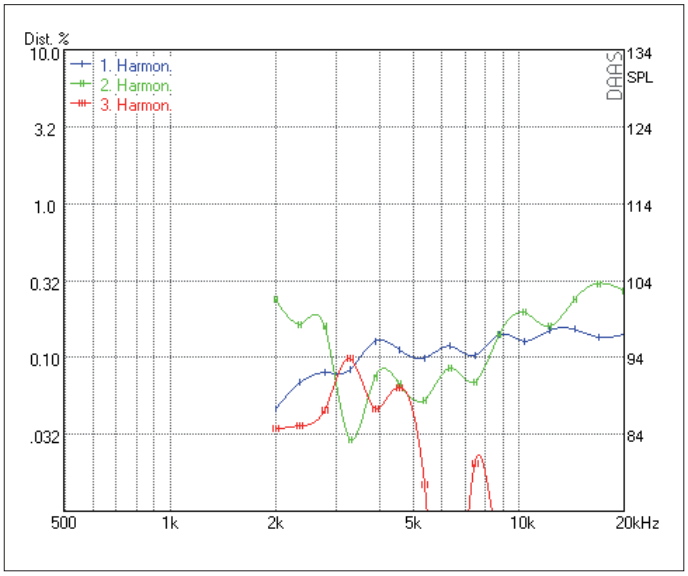
• Very low distortion • Very flat impedance curve
• Wide spread directivity • 6dB x-over



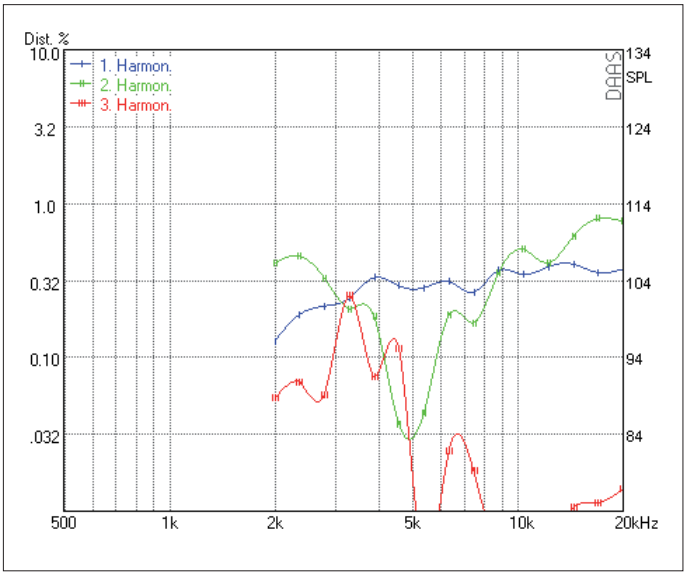
SPL 2.83 V - Phase - Impedance



Waterfall

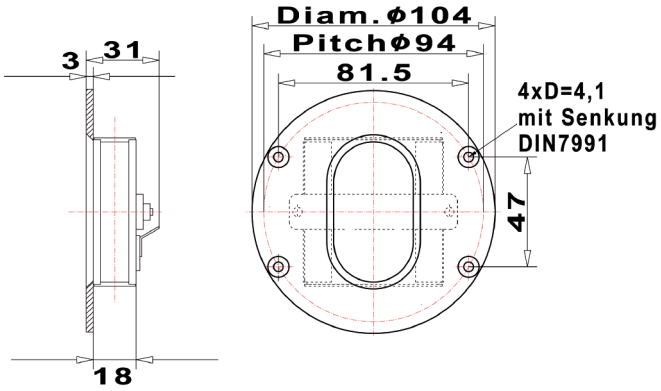


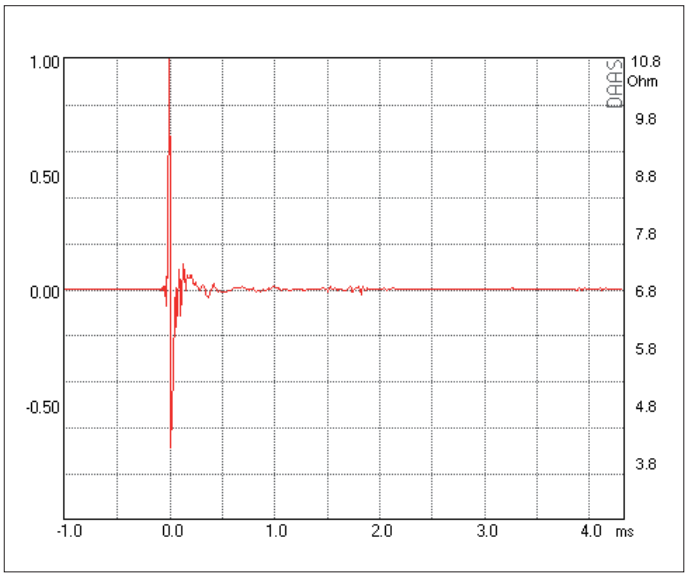
Harmonic Distortion 2.83 V



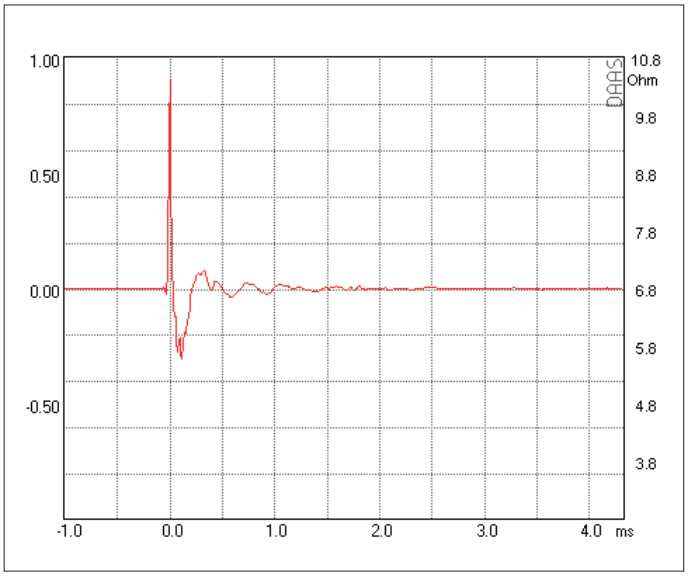
Harmonic Distortion 105 dB

RESISTANCE		NOMINAL 4 OHM
Zo 4.3 OHM	• Zmin 4.2 OHM •	RE 4.2 OHM
SENSITIVITY @ 2.83 V		93 dB
FREQUENCY RESPONSE / -6 dB		2300 Hz – 32 kHz
POWER HANDLING		120 W
RESONANCE FREQUENCY / FS		2600 Hz
RECOMMENDED CROSSOVER / 6 dB		3000 Hz
RECOMMENDED CROSSOVER / 12 dB		3000 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB		60°
DIAPHRAGM AREA		1260 mm²
MAGNET MATERIAL		NEODYMIUM
FACE PLATE		3 mm Anodized Aluminum

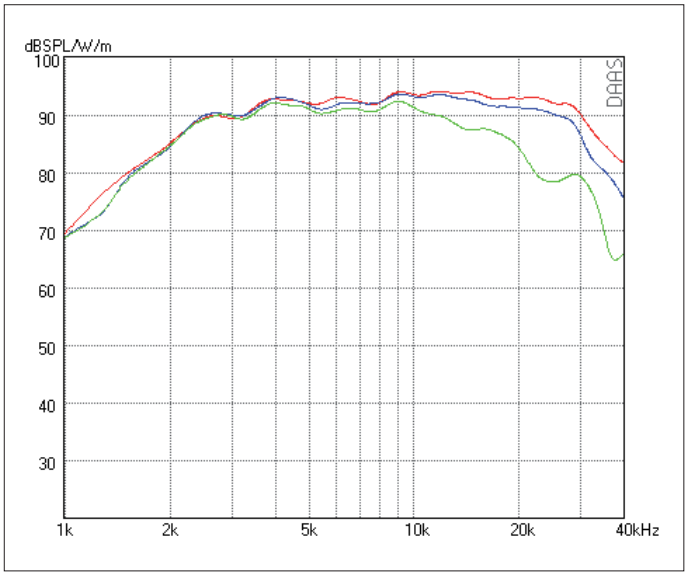




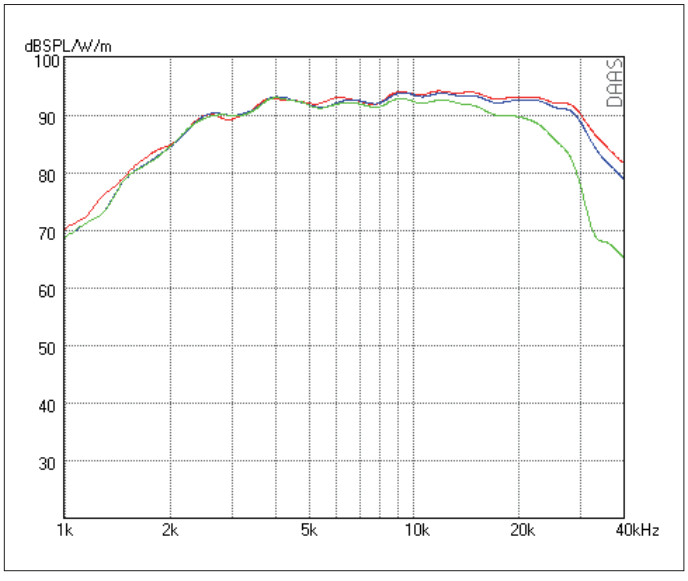
Impulse Response



Step Response



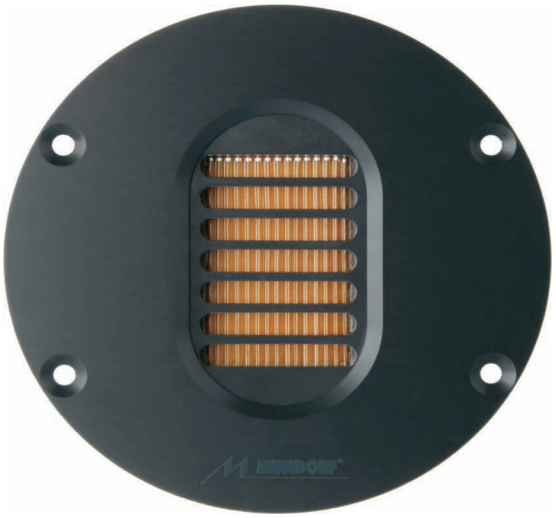
SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®21CM2.1-C

Preis/Price 219 €

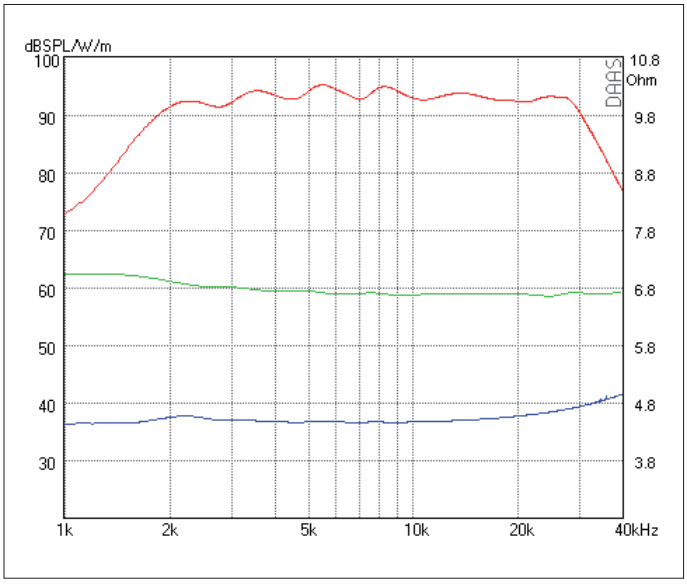


High End AMT für 2-Weg Systeme. Aufgrund der geringen Bauhöhe ist die vertikale Bündelung am geringsten und ist damit im Abstrahlverhalten dem einer Kalotte am ähnlichsten.

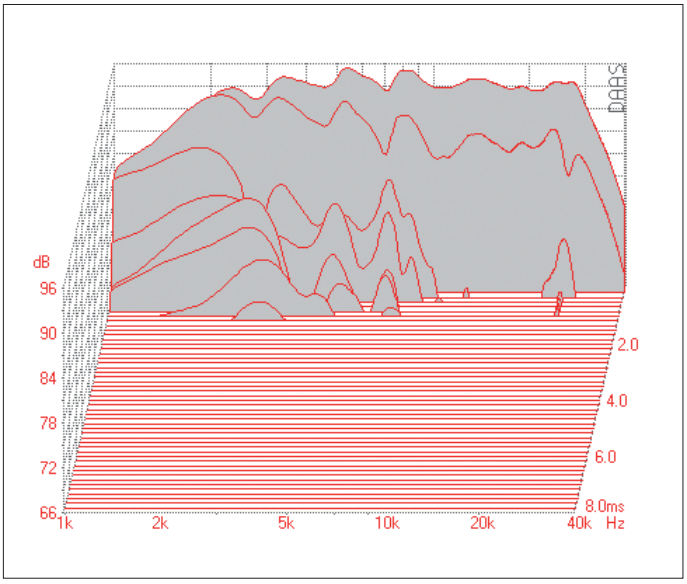
• Sehr niedrige Verzerrungen • Sehr flache Impedanzkurve
• Gutes Rundumstrahlverhalten • Tiefe Trennfrequenz

High End AMT for 2-way systems. Due to the low height is the vertical dispersion is high and thus the radiation is similar to a dome tweeter.

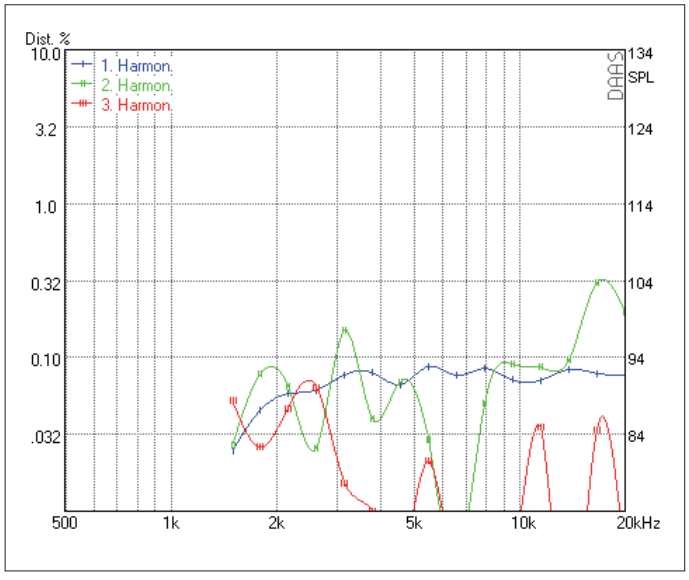
• Very low d istortion • Very flat impedance curve
• Wide spread directivity • Low x-over frequency



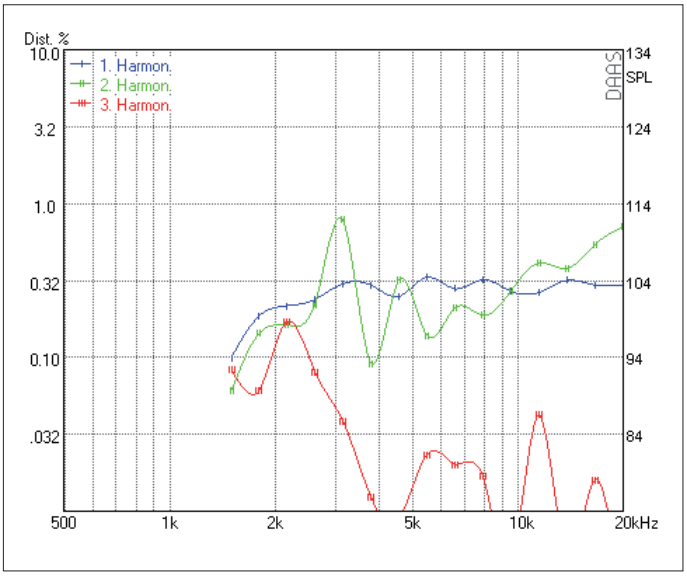
SPL 2.83 V - Phase - Impedance



Waterfall

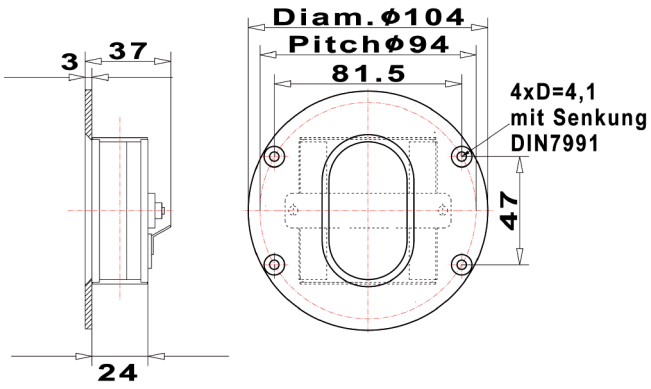


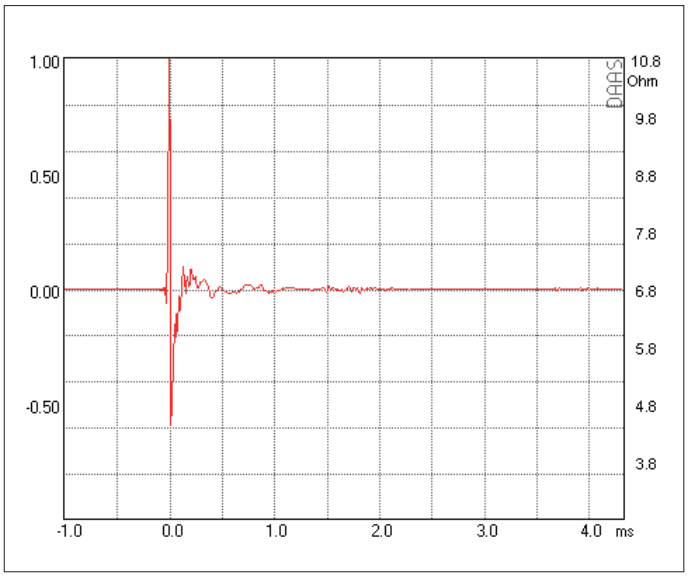
Harmonic Distortion 2.83 V



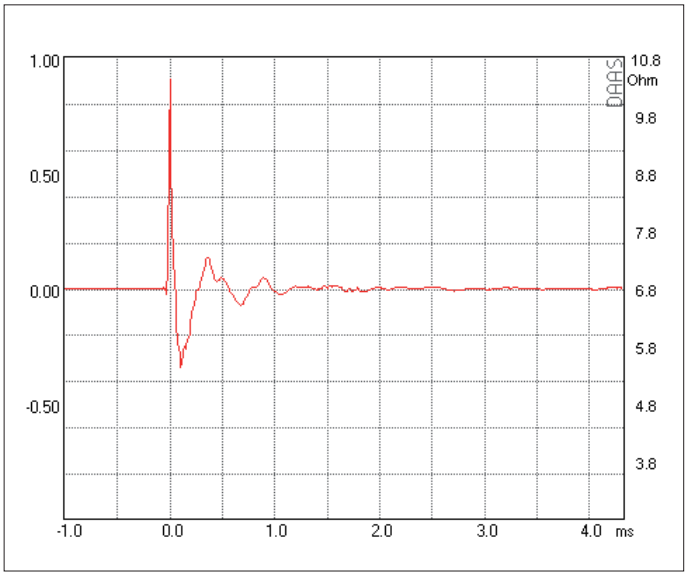
Harmonic Distortion 105 dB

RESISTANCE	NOMINAL 4 OHM
Zo 4.6 OHM • Zmin 4.4 OHM •	RE 4.4 OHM
SENSITIVITY @ 2.83 V	93 dB
FREQUENCY RESPONSE / -6 dB	1700 Hz – 32 kHz
POWER HANDLING	125 W
RESONANCE FREQUENCY / FS	2300 Hz
RECOMMENDED CROSSOVER / 6 dB	3000 Hz
RECOMMENDED CROSSOVER / 12 dB	2500 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB	65°
DIAPHRAGM AREA	1260 mm²
MAGNET MATERIAL	NEODYMIUM
FACE PLATE	3 mm Anodized Aluminum

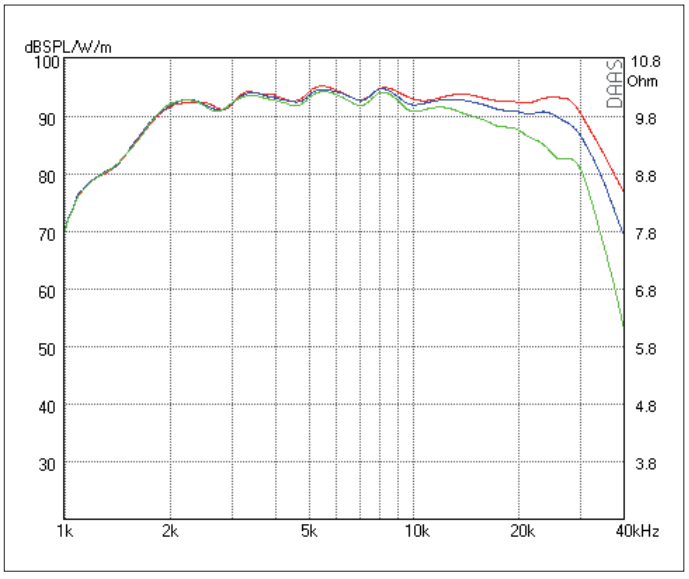




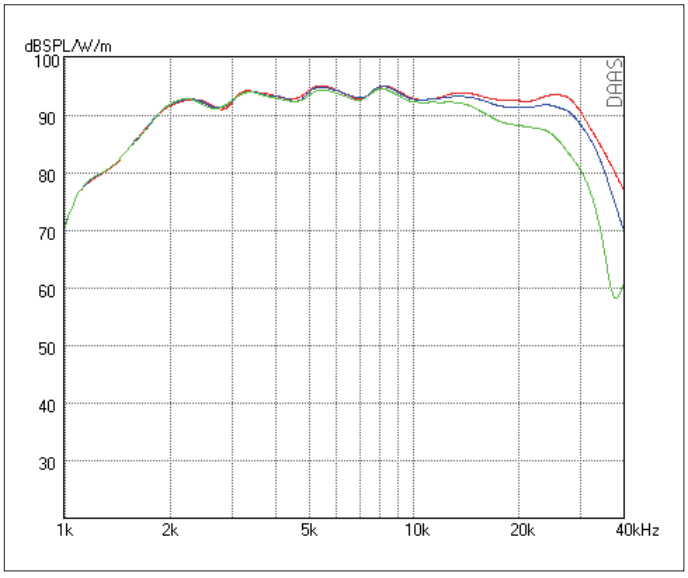
Impulse Response



Step Response



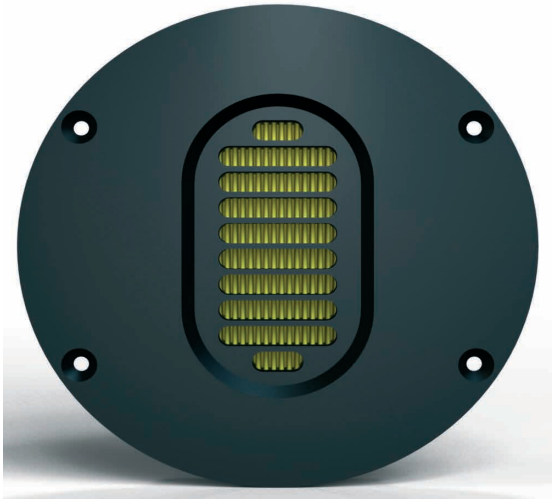
SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®23CM1.1-C

Preis/Price 279 €

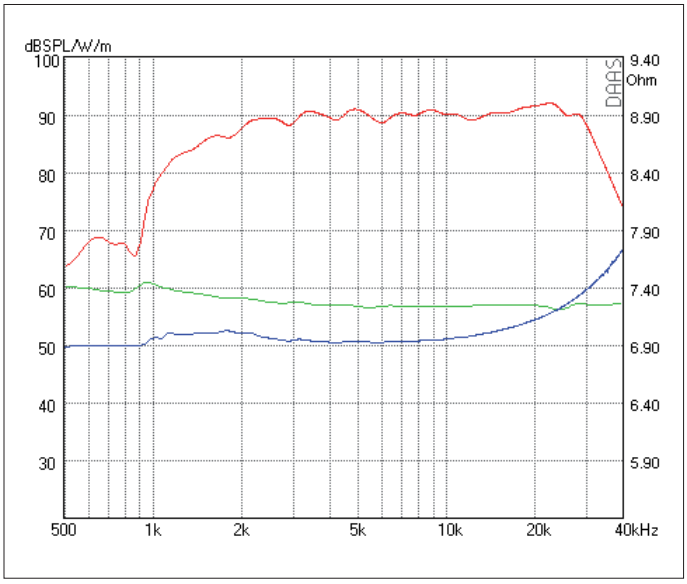


High End AMT für 2-Weg Systeme. Mit seinen Wirkungsgrad von 90 dB benötigt er die geringste Pegelanpassung. Sein hoher Endschalldruck genügt höchsten Anforderungen.

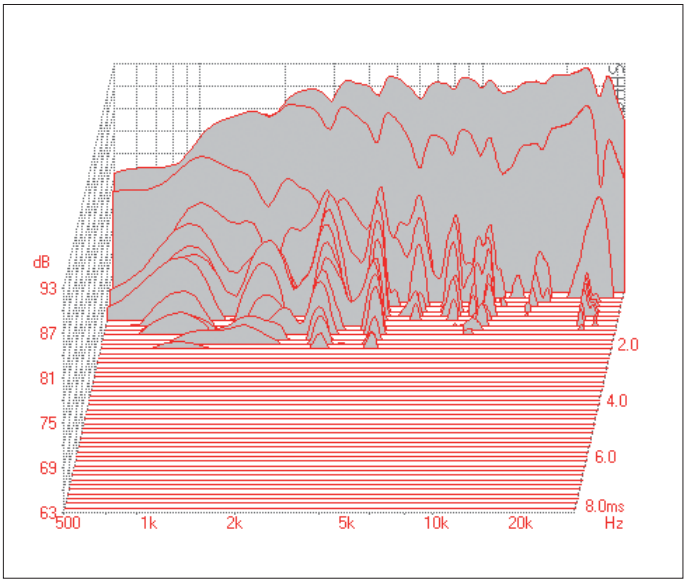
• Sehr niedrige Verzerrungen • Sehr flache Impedanzkurve
• Gutes Rundumstrahlverhalten • Tiefe Trennfrequenz

High End AMT for 2-way systems. With its efficiency of 90 dB this AMT needs almost no level adjustment. Its high SPLmax meets the highest requirements.

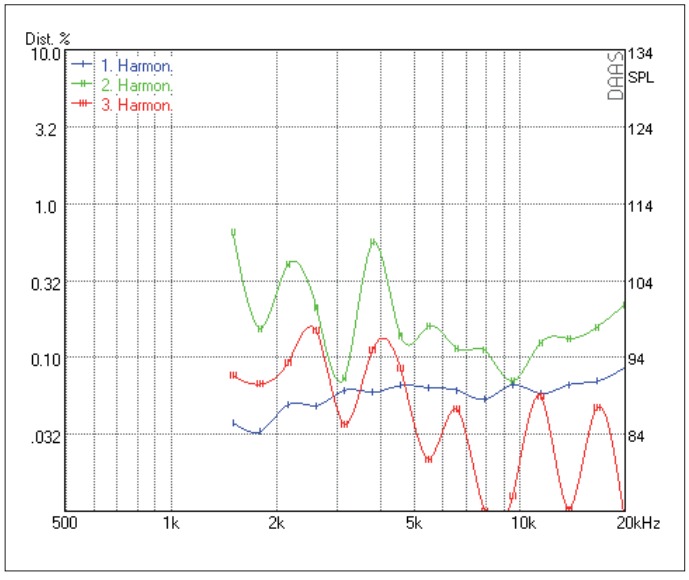
• Very low distortion • Very flat impedance curve
• Wide spread directivity • Low x-over frequency



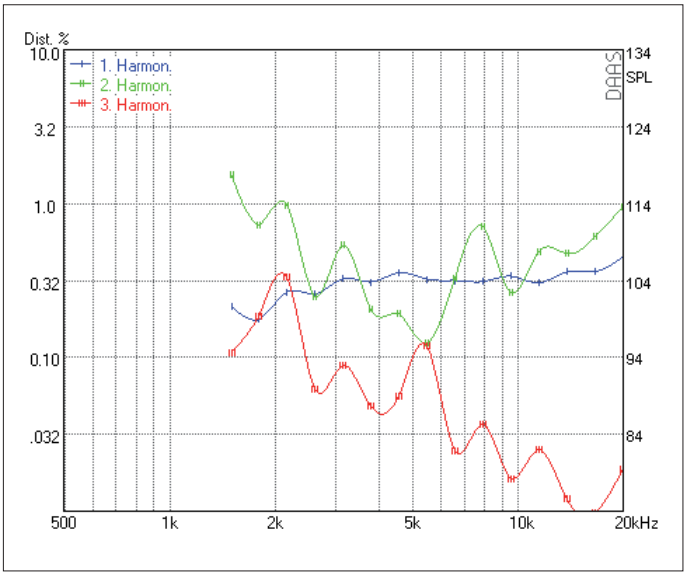
SPL 2.83 V - Phase - Impedance



Waterfall

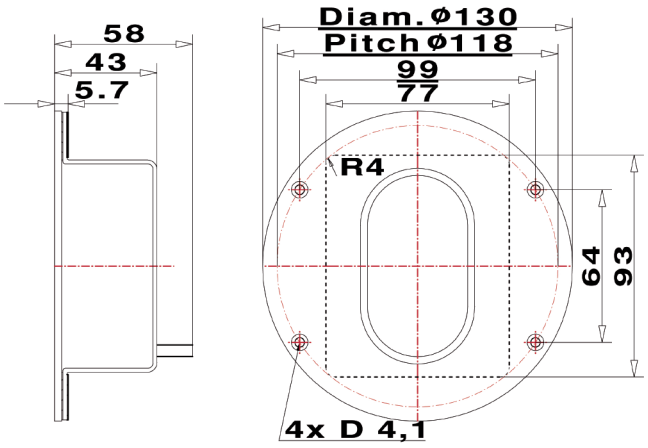


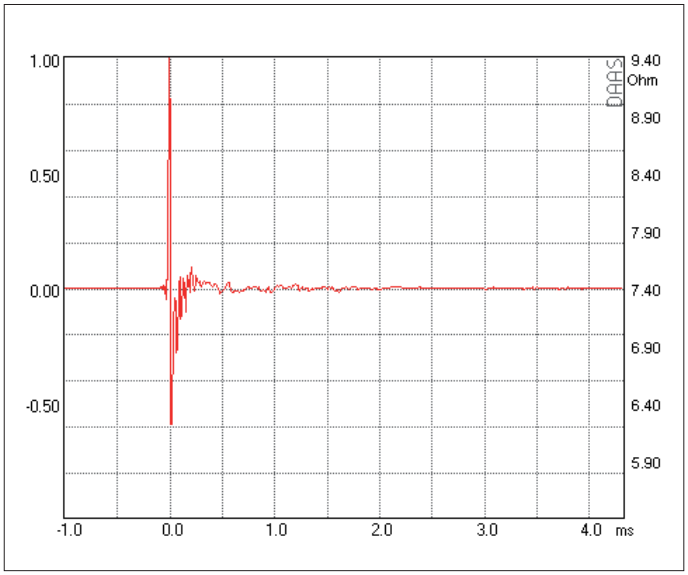
Harmonic Distortion 2.83 V



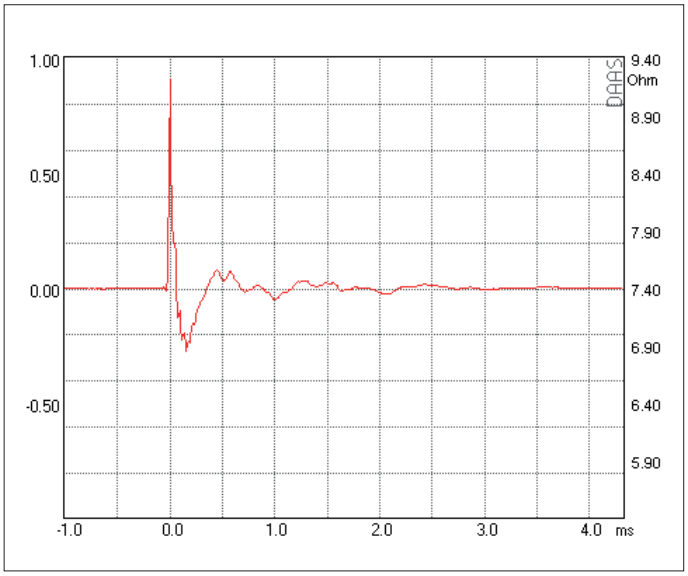
Harmonic Distortion 105 dB

RESISTANCE	NOMINAL 8 OHM
Zo 7.1 OHM • Zmin 6.9 OHM •	RE 6.9 OHM
SENSITIVITY @ 2.83 V	90 dB
FREQUENCY RESPONSE / -6 dB	1300 Hz – 33 kHz
POWER HANDLING	125 W
RESONANCE FREQUENCY / FS	1700 Hz
RECOMMENDED CROSSOVER / 6 dB	2700 Hz
RECOMMENDED CROSSOVER / 12 dB	2200 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB	60°
DIAPHRAGM AREA	1755 mm²
MAGNET MATERIAL	NEODYMIUM
FACE PLATE	3 mm Anodized Aluminum

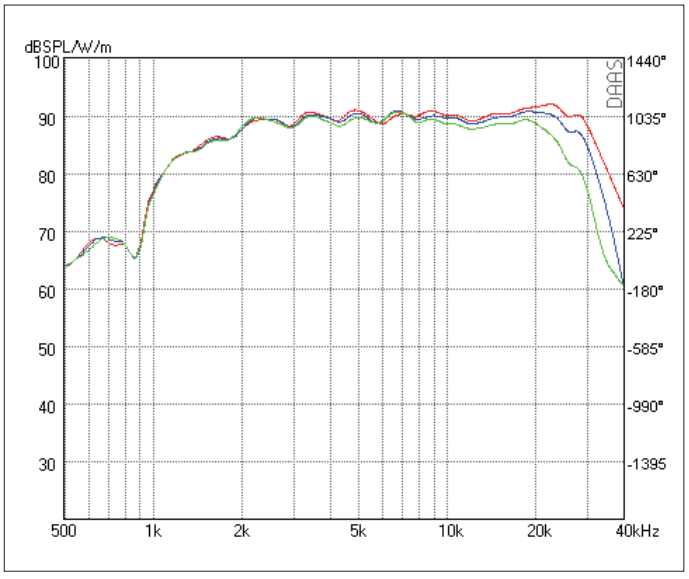




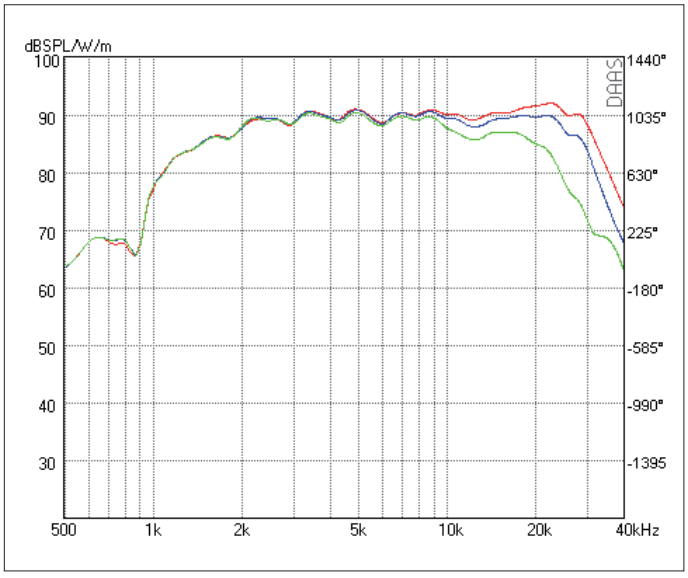
Impulse Response



Step Response



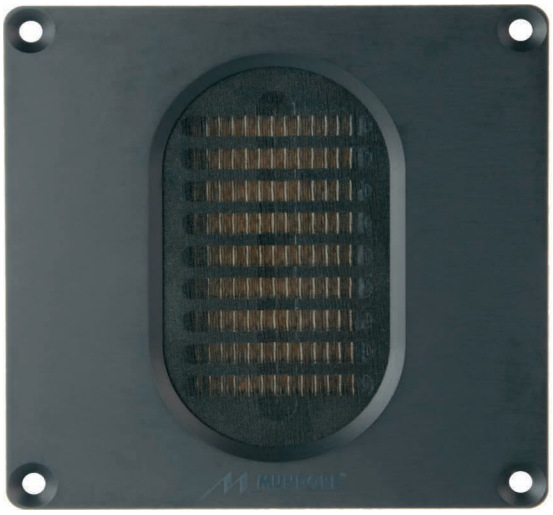
SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
***hifi*AMT®23CM1.1-R**

Preis/Price 279 €

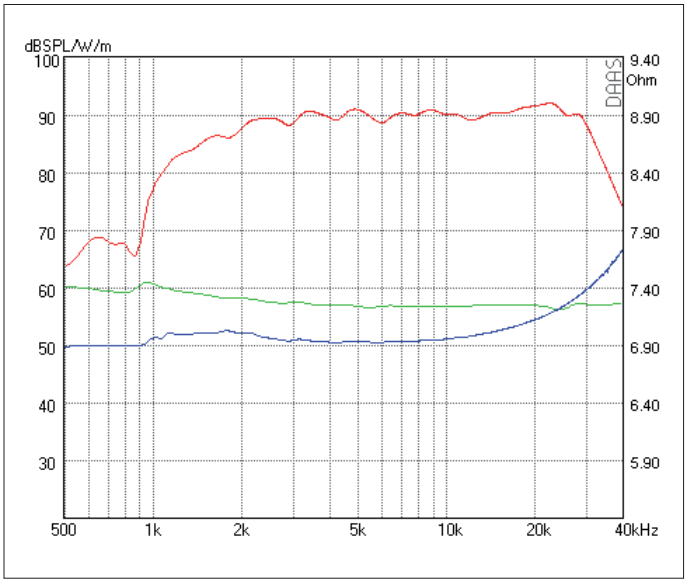


High End AMT für 2-Weg Systeme. Mit seinen Wirkungsgrad von 90 dB benötigt er die geringste Pegelanpassung. Sein hoher Endschalldruck genügt höchsten Anforderungen.

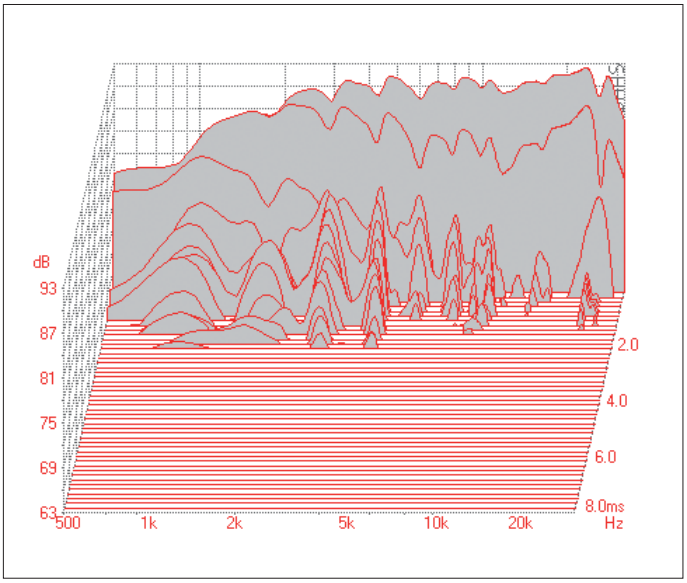
• Sehr niedrige Verzerrungen • Sehr flache Impedanzkurve
• Gutes Rundumstrahlverhalten • Tiefe Trennfrequenz

High End AMT for 2-way systems. With its efficiency of 90 dB this AMT needs almost no level adjustment. Its high SPLmax meets the highest requirements.

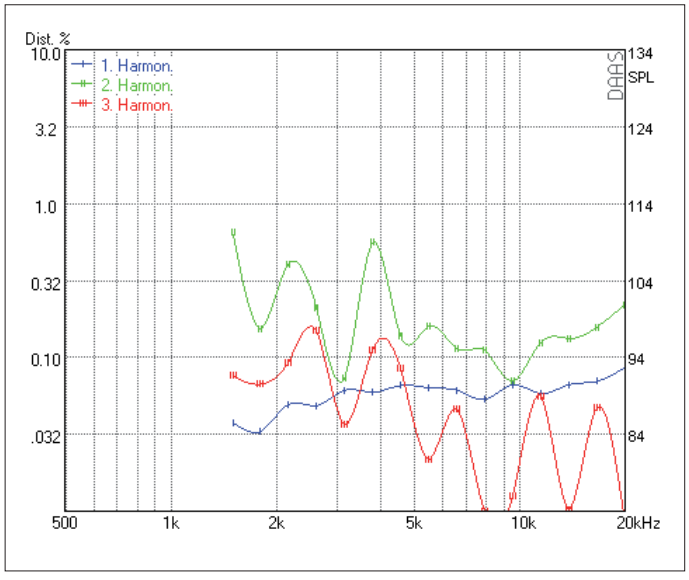
• Very low distortion • Very flat impedance curve
• Wide spread directivity • Low x-over frequency



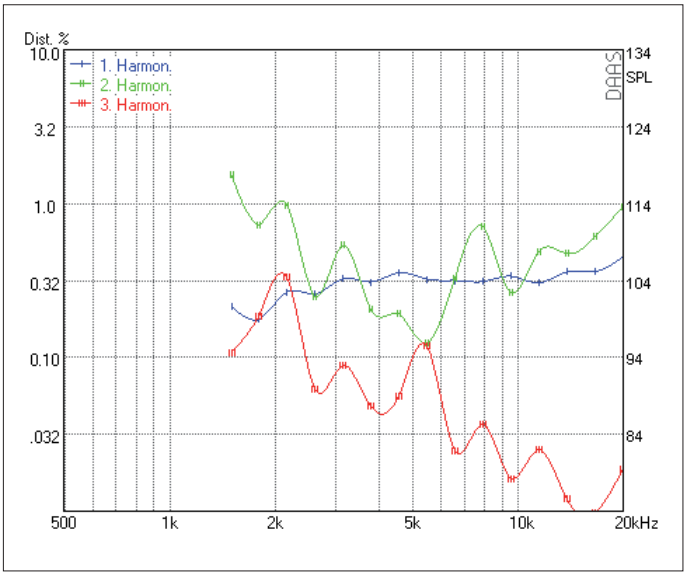
SPL 2.83 V - Phase - Impedance



Waterfall

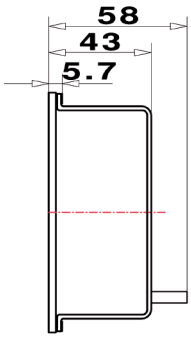


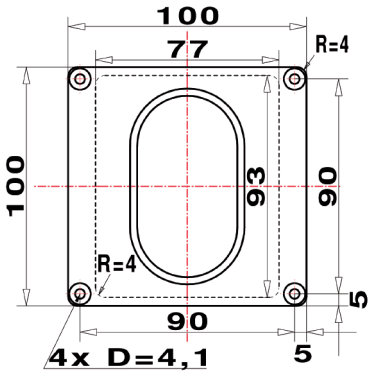
Harmonic Distortion 2.83 V

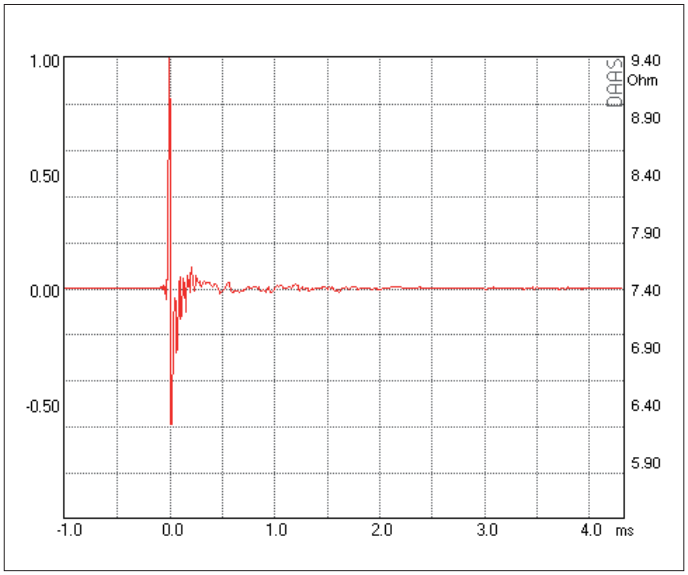


Harmonic Distortion 105 dB

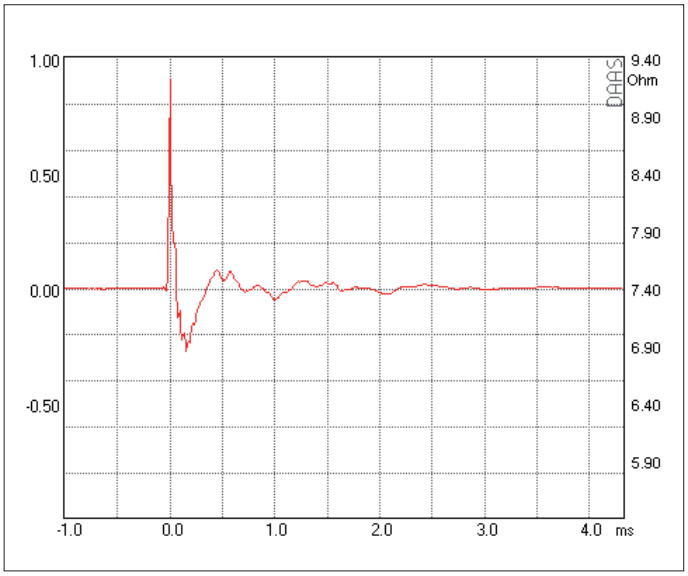
RESISTANCE	NOMINAL 8 OHM
Zo 9.2 OHM • Zmin 8.4 OHM •	RE 8.4 OHM
SENSITIVITY @ 2.83 V	92 dB
FREQUENCY RESPONSE / -6 dB	1200 Hz – 26 kHz
POWER HANDLING	145 W
RESONANCE FREQUENCY / FS	1200 Hz
RECOMMENDED CROSSOVER / 6 dB	3000 Hz
RECOMMENDED CROSSOVER / 12 dB	2500 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB	60°
DIAPHRAGM AREA	2210 mm²
MAGNET MATERIAL	NEODYMIUM
FACE PLATE	3 mm Anodized Aluminum



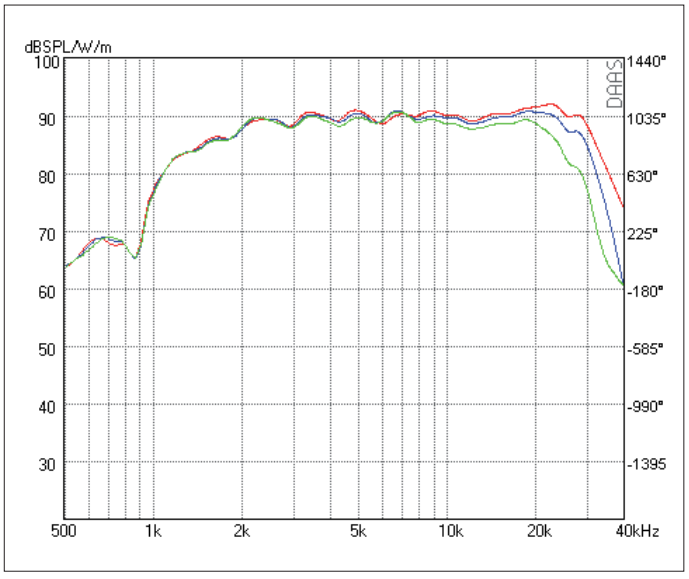




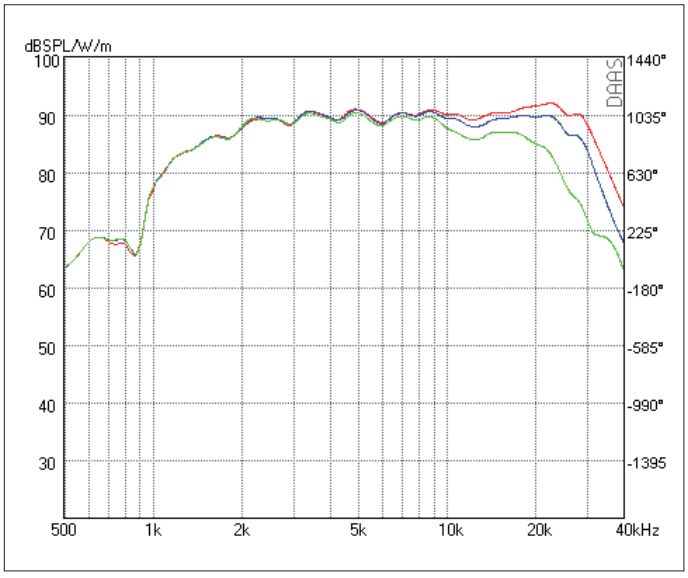
Impulse Response



Step Response



SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®25CM1.1-R

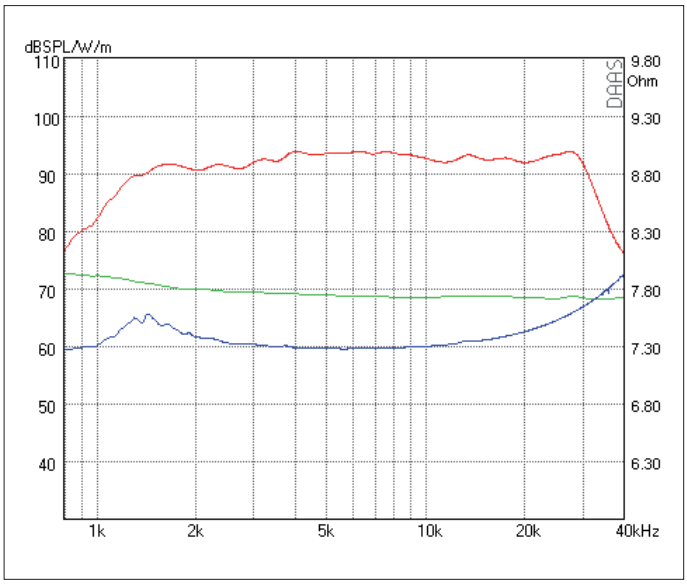
Preis/Price 329 €

High End AMT für 2-Weg Systeme. Der 25CM1.1 verbindet eine starke vertikale Bündelung mit einem breiten horizontal Abstrahlverhalten. Ideal für schallharte Böden und Decken. Gleichzeitig ist es der AMT mit der niedrigsten Übernahmefrequenz.

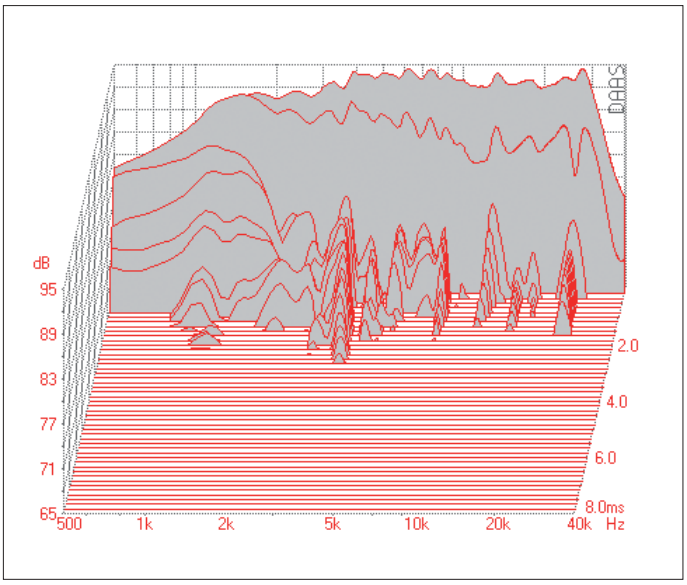
• Sehr niedrige Verzerrungen • Sehr flache Impedanzkurve
• Sehr tiefe Trennfrequenz • Ausgeprägte vertikale Bündelung

High End AMT for 2-way systems. The 25CM1.1 combines a strong vertical directivity with a wide horizontal dispersion. Ideal for rooms with reverberant ceilings and floors. It is also the AMT with the lowest crossover frequency.

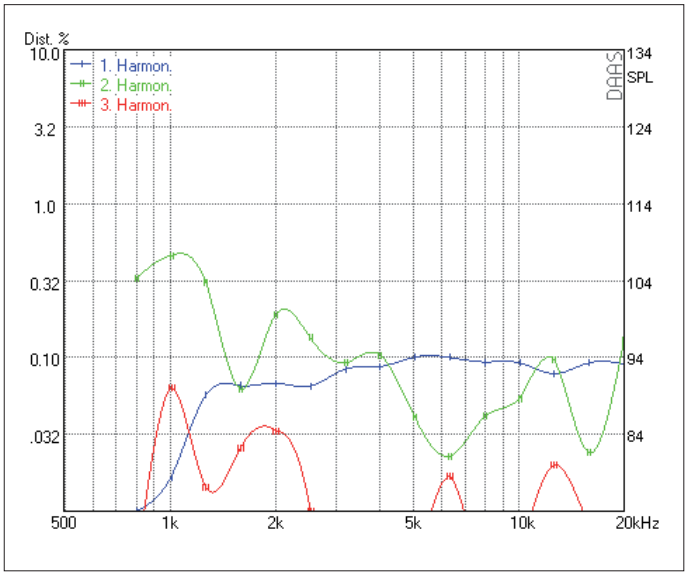
• Very low distortion • Very flat impedance curve
• Low x-over frequency • Pronounced vertical directivity



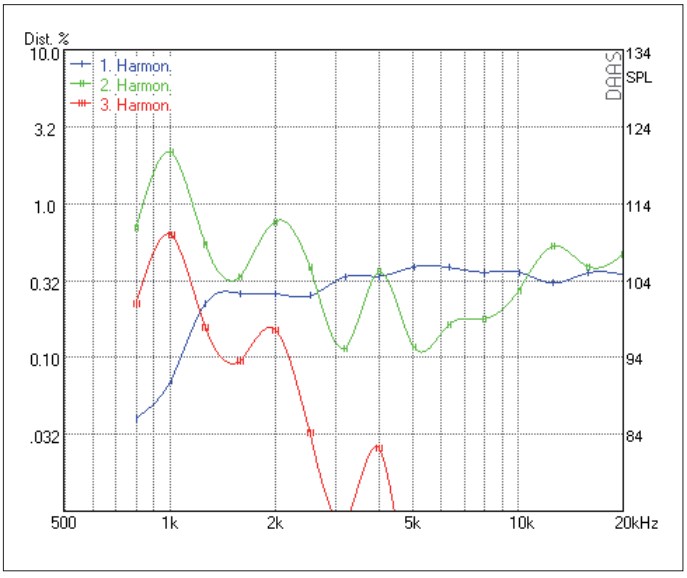
SPL 2.83 V - Phase - Impedance



Waterfall

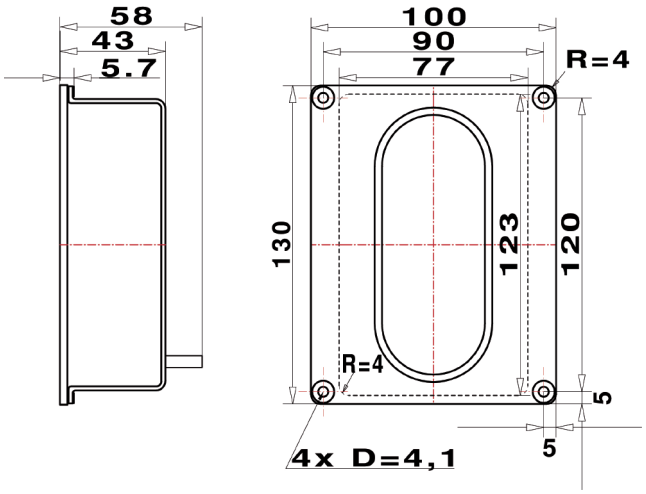


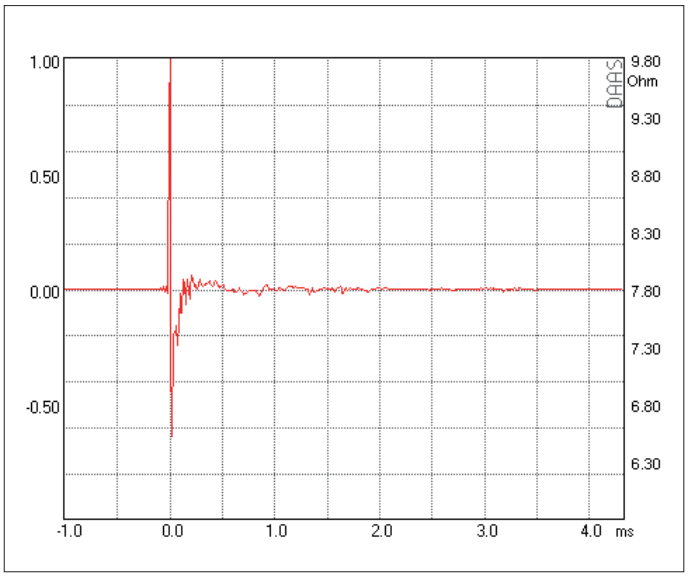
Harmonic Distortion 2.83 V



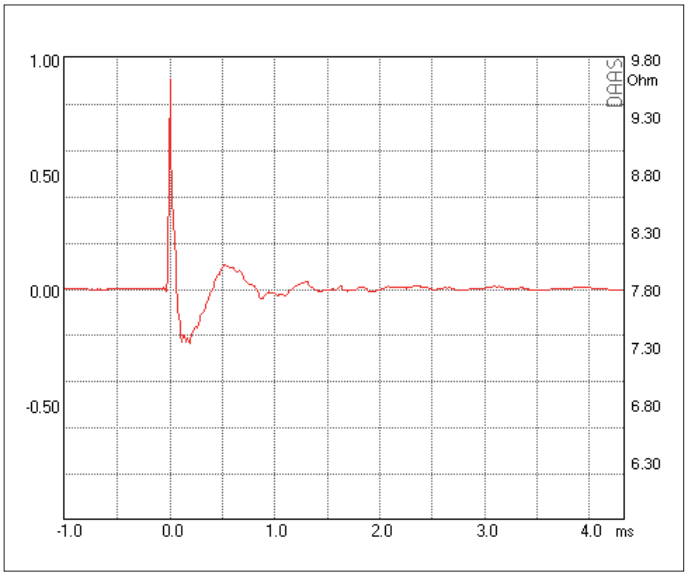
Harmonic Distortion 105 dB

RESISTANCE	NOMINAL 8 OHM
Zo 7.6 OHM • Zmin 7.3 OHM •	RE 7.3 OHM
SENSITIVITY @ 2.83 V	93 dB
FREQUENCY RESPONSE / -6 dB	1200 Hz – 32 kHz
POWER HANDLING	210 W
RESONANCE FREQUENCY / FS	1400 Hz
RECOMMENDED CROSSOVER / 6 dB	2500 Hz
RECOMMENDED CROSSOVER / 12 dB	2000 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB	70°
DIAPHRAGM AREA	6464 mm²
MAGNET MATERIAL	NEODYMIUM
FACE PLATE	3 mm Anodized Aluminum

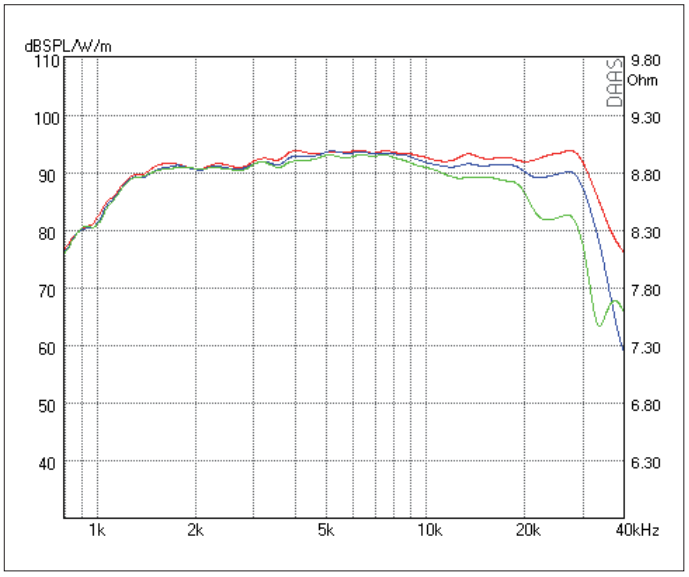




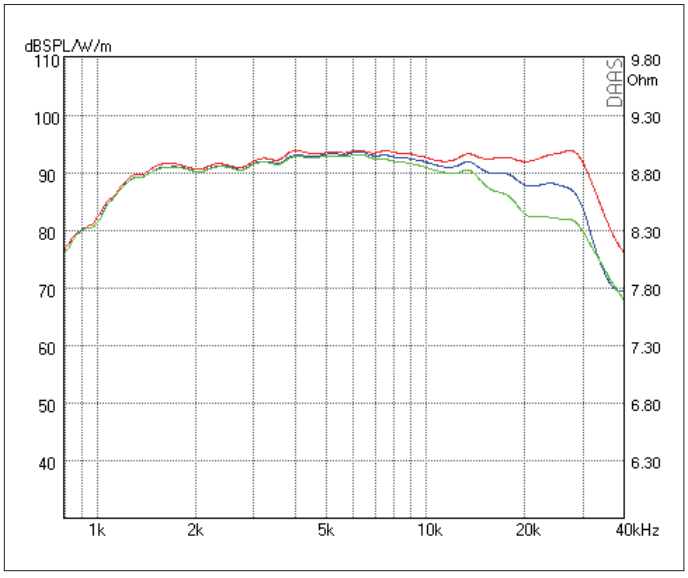
Impulse Response



Step Response



SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
***hifi*AMT®25CS2.1-R**

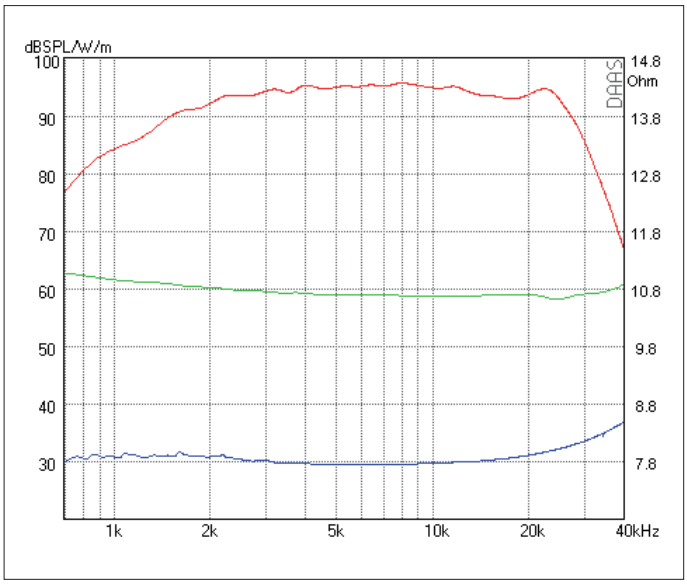
Preis/Price 329 €

High End AMT für 2-Weg Systeme. Der 25CS2.1 verbindet eine starke vertikale Bündelung mit einer gleichfalls starken horizontalen Bündelung. Ideal für große D'Appolito- Systeme und modern eingerichtete Räume mit überwiegend schallharten Flächen. Die Empfindlichkeit von 95 dB macht ihn besonders geeignet für Röhrenfreunde.

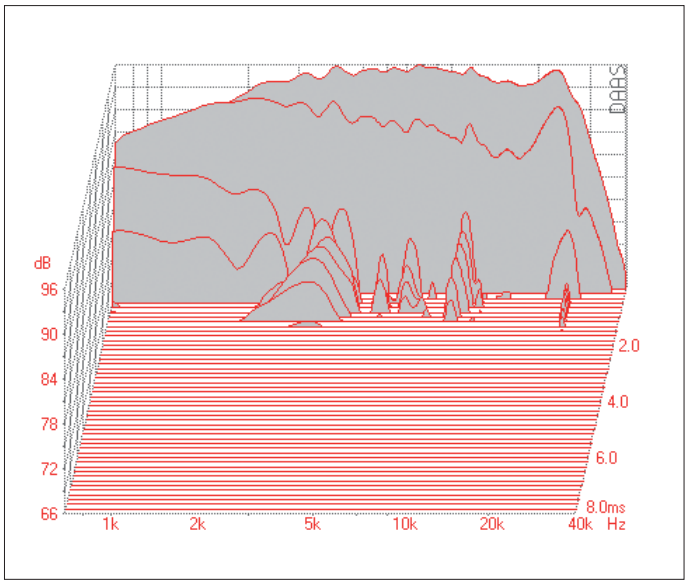
• Sehr niedrige Verzerrungen • Sehr flache Impedanzkurve • Tiefe Trennfrequenz • Ausgeprägte Bündelung • Hoher Wirkungsgrad

High End AMT for 2-way systems. The 25CS2.1 combines a strong vertical directivity with an equally strong horizontal directivity. Ideal for D'Appolito systems and modern rooms with reverberantsurfaces. The sensitivity of 95 dB makes it particularly suitable for tube friends.

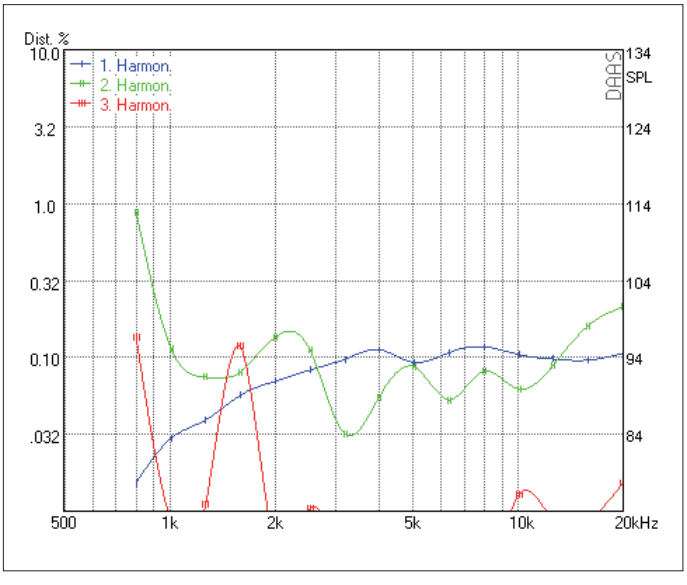
• Very low distortion • Very flat impedance curve • Low x-over frequency • Pronounced vertical directivity • High sensitivity



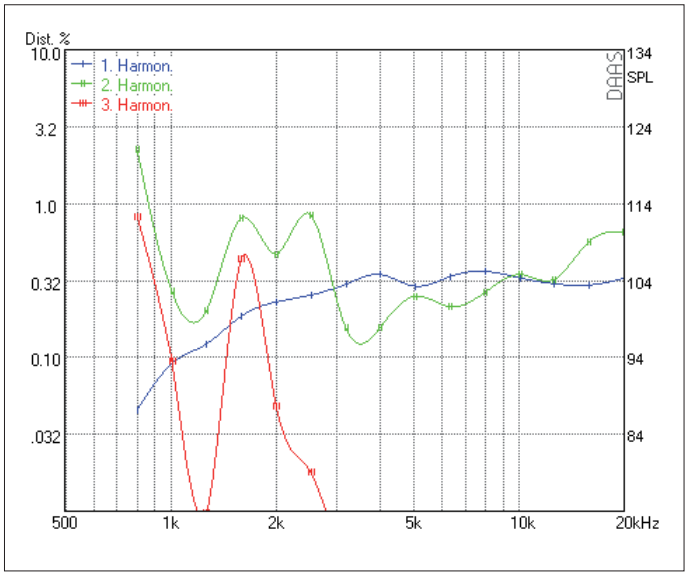
SPL 2.83 V - Phase - Impedance



Waterfall

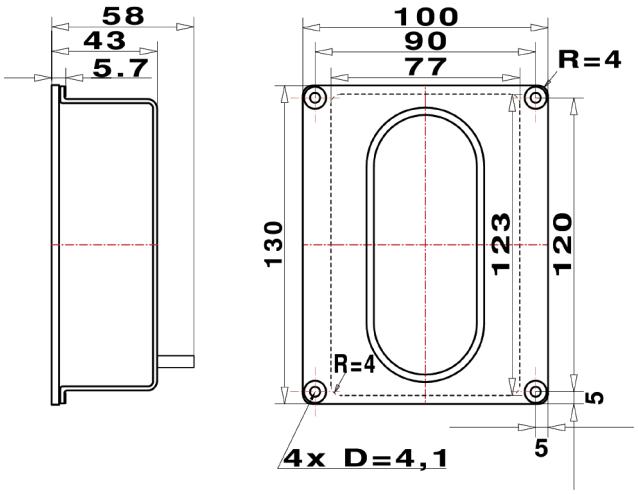


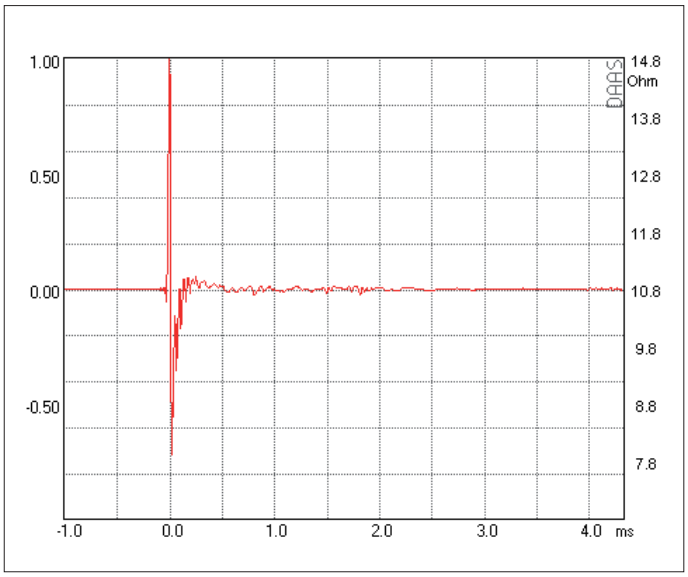
Harmonic Distortion 2.83 V



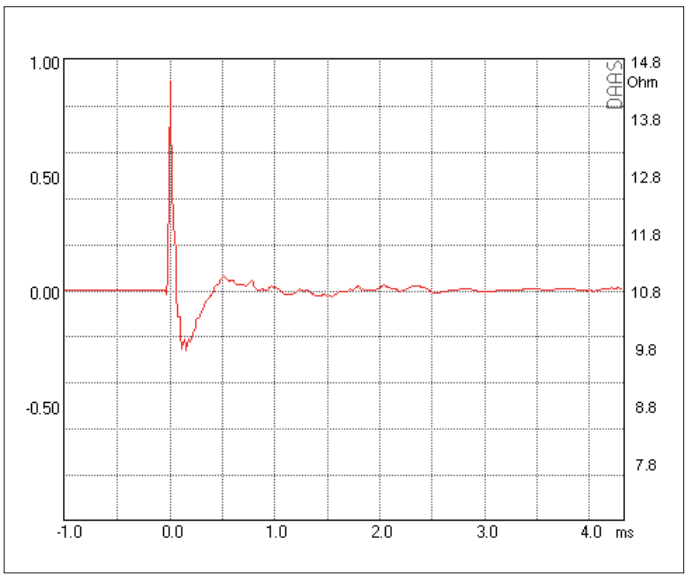
Harmonic Distortion 105 dB

RESISTANCE	NOMINAL 8 OHM
Zo 7.9 OHM • Zmin 7.7 OHM •	RE 7.6 OHM
SENSITIVITY @ 2.83 V	96 dB
FREQUENCY RESPONSE / -6 dB	1600 Hz – 27 kHz
POWER HANDLING	230 W
RESONANCE FREQUENCY / FS	1100 Hz
RECOMMENDED CROSSOVER / 6 dB	2000 Hz
RECOMMENDED CROSSOVER / 12 dB	2000 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB	60°
DIAPHRAGM AREA	6464 mm²
MAGNET MATERIAL	NEODYMIUM
FACE PLATE	3 mm Anodized Aluminum

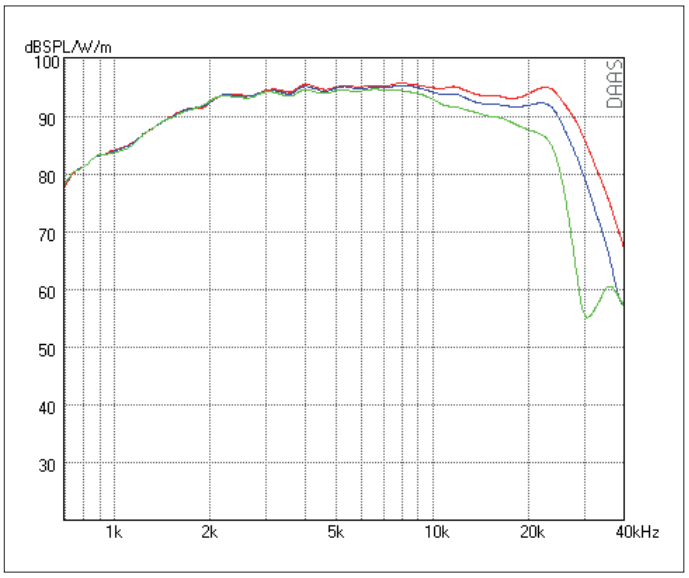




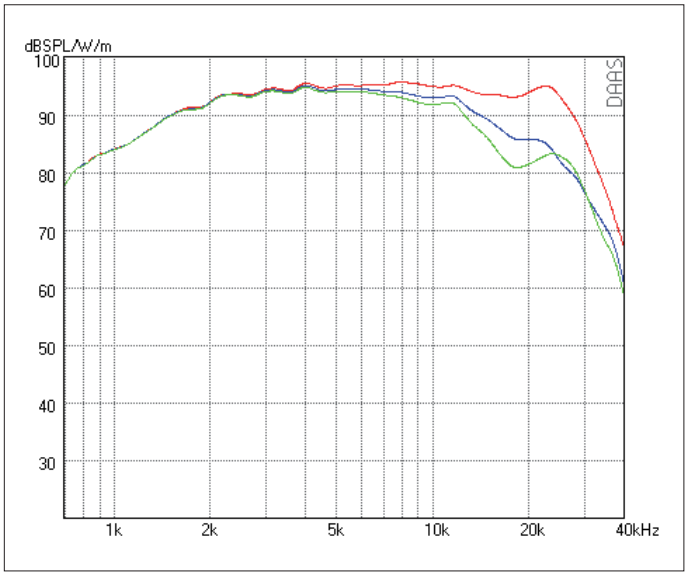
Impulse Response



Step Response



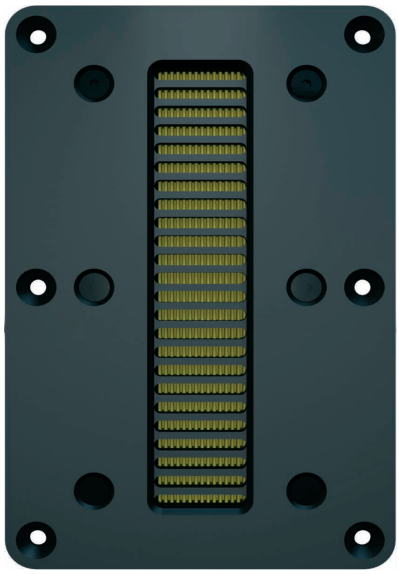
SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®29CM1.1-R

Preis/Price 449 €

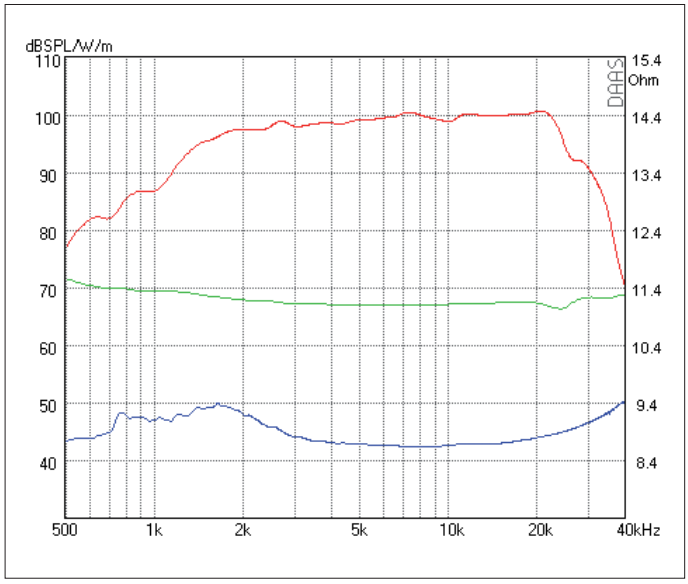


High End AMT für 2-Weg Systeme. Die optimale Synthese zwischen Kleinbeschallung und High- End- HiFi. Mit 100 dB an 8 Ohm ist er ideal für Eintaktröhren-Freunde. 6 dB- Filter-optimiert.

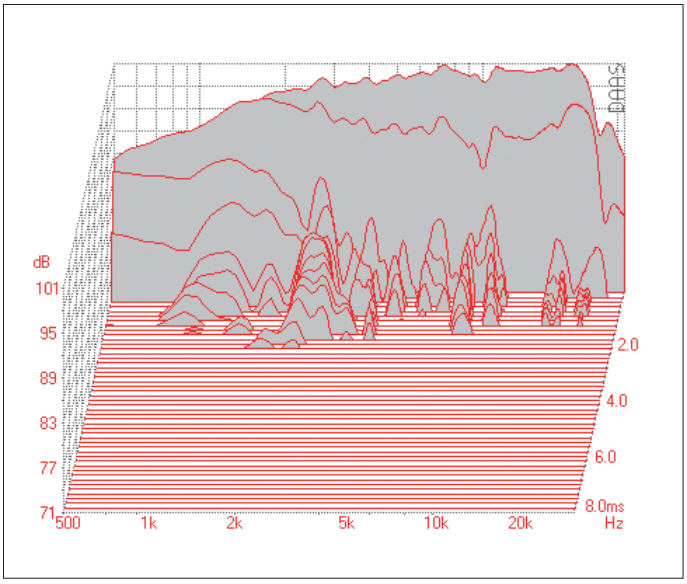
• Sehr niedrige Verzerrungen • Sehr flache Impedanzkurve
• Tiefe Trennfrequenz • Ausgeprägte Bündelung
•100 dB Empfindlichkeit

High End AMT for 2-way systems. The optimal synthesis between small PA and the high-end HiFi. With 100 dB at 8 ohms, it is ideal for friends of single ended tube amps. Optimized 6 dB filters.

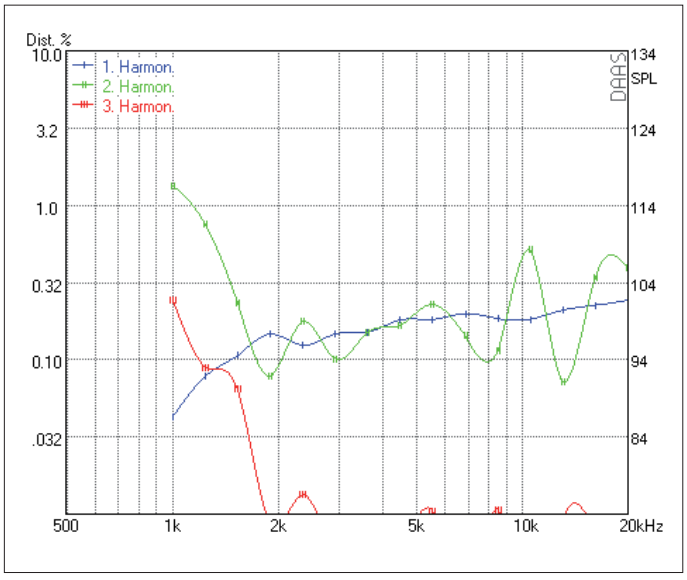
• Very low distortion • Very flat impedance curve
• Low x-over frequency • Pronounced directivity
• 100 dB sensitivity



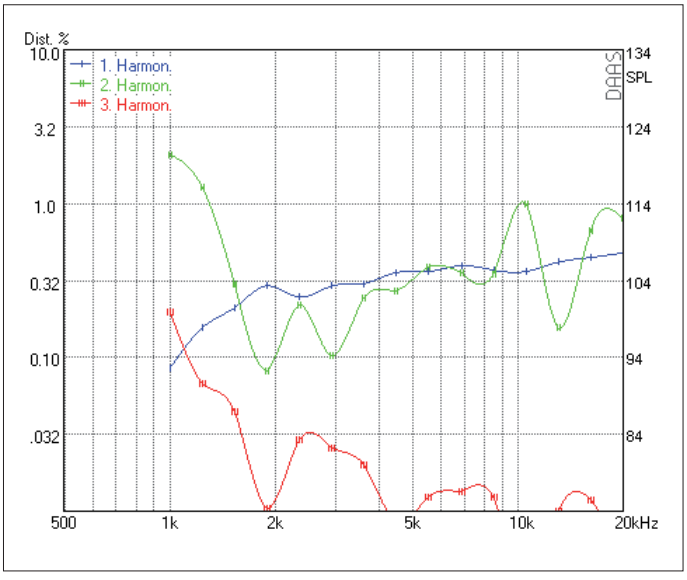
SPL 2.83 V - Phase - Impedance



Waterfall

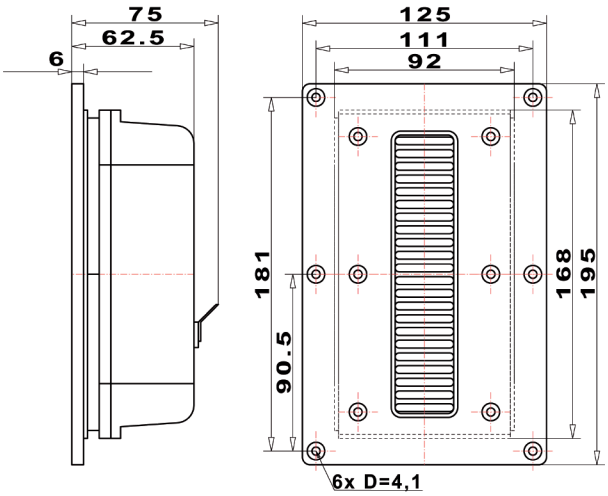


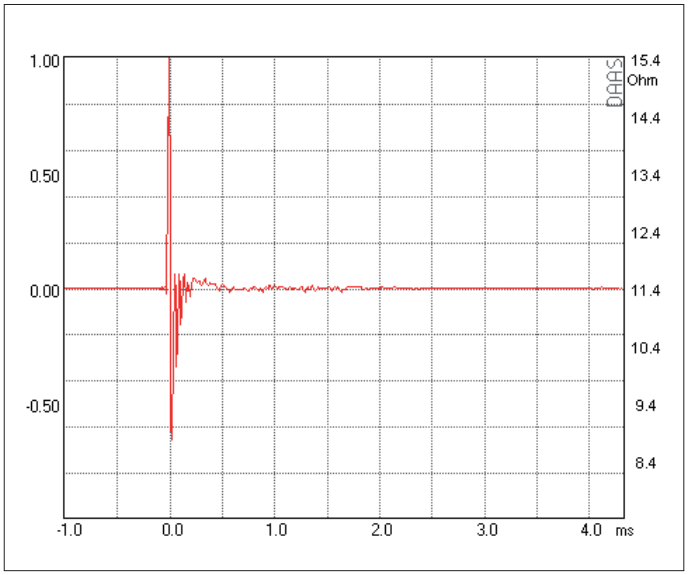
Harmonic Distortion 2.83 V



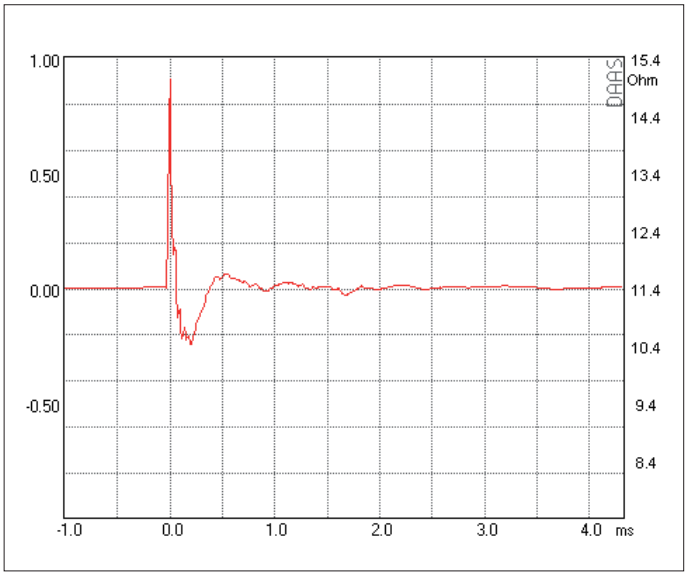
Harmonic Distortion 105 dB

RESISTANCE	NOMINAL 8 OHM
Zo 9.3 OHM • Zmin 8.5 OHM •	RE 8.5 OHM
SENSITIVITY @ 2.83 V	100 dB
FREQUENCY RESPONSE / -6 dB	1350 Hz – 25 kHz
POWER HANDLING	250 W
RESONANCE FREQUENCY / FS	1500 Hz
RECOMMENDED CROSSOVER / 6 dB	2200 Hz
RECOMMENDED CROSSOVER / 12 dB	2000 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB	60°
DIAPHRAGM AREA	6515 mm²
MAGNET MATERIAL	NEODYMIUM
FACE PLATE	3 mm Anodized Aluminum

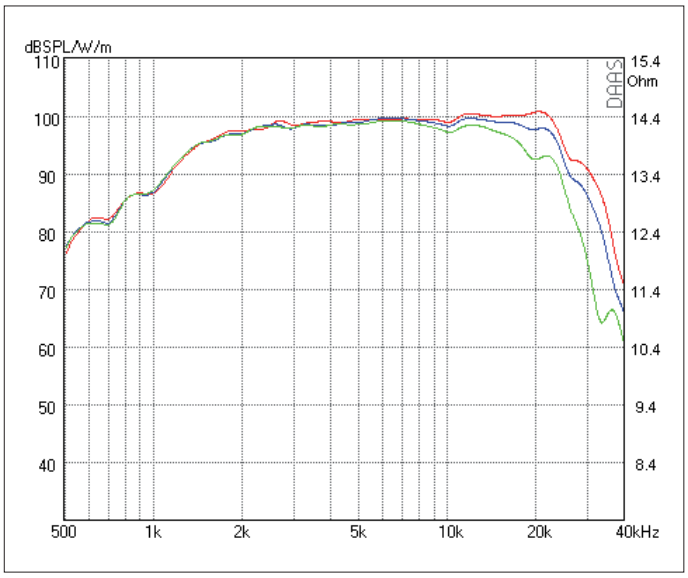




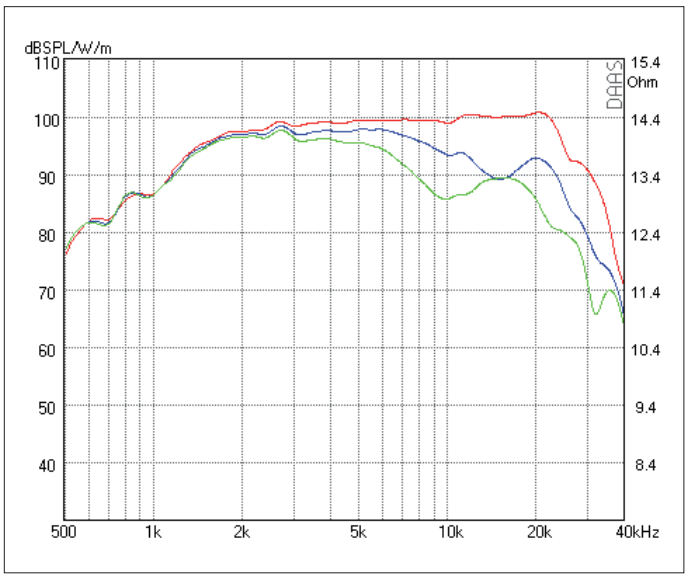
Impulse Response



Step Response



SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®164UM2.3-R

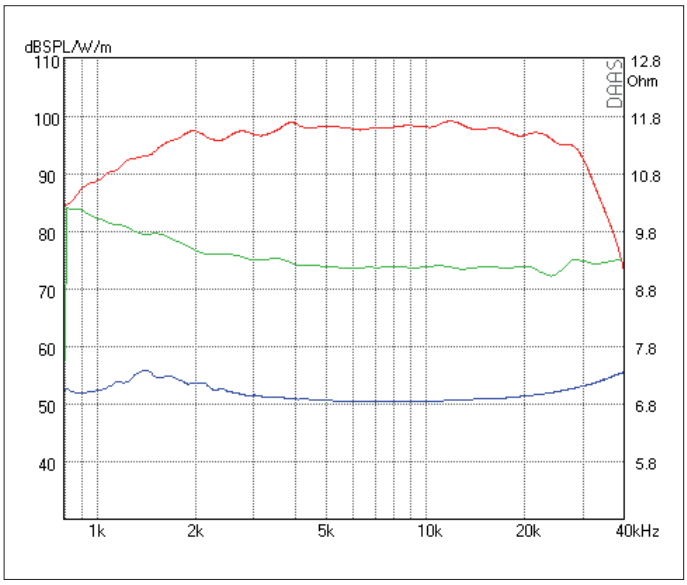
Preis/Price 549 €

Aufgrund seiner patentierten U-förmigen Polplattengeometrie baut das System sehr schmal und ist optimal für Center- Speaker geeignet. Besonders ist auch die Übernahmefrequenz von 1800 Hz und sein Wirkungsgrad von 99 dB.

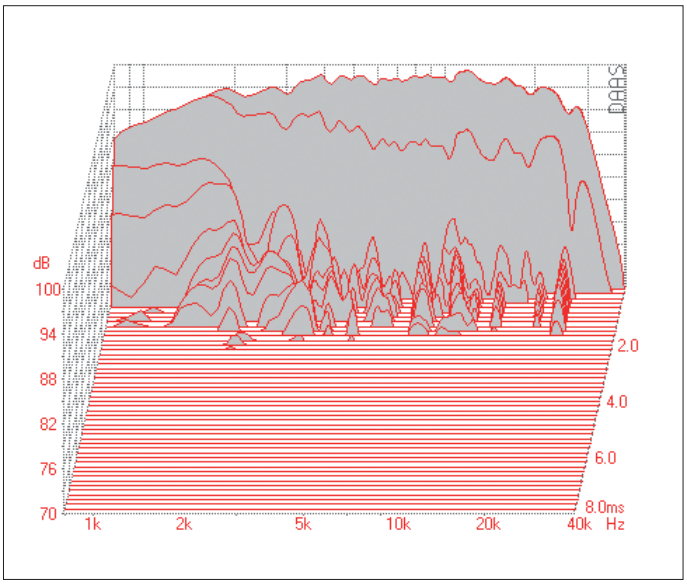
- Sehr niedrige Verzerrungen • Sehr schmaler Bauform
- Tiefe Trennfrequenz • Ausgeprägte Bündelung
- 99 dB Empfindlichkeit

Due to its patented U-shaped pole plate geometry, the system builds very narrow and is ideal for center speaker. Especially are also the crossover frequency of 1800 Hz and its efficiency of 99 dB.

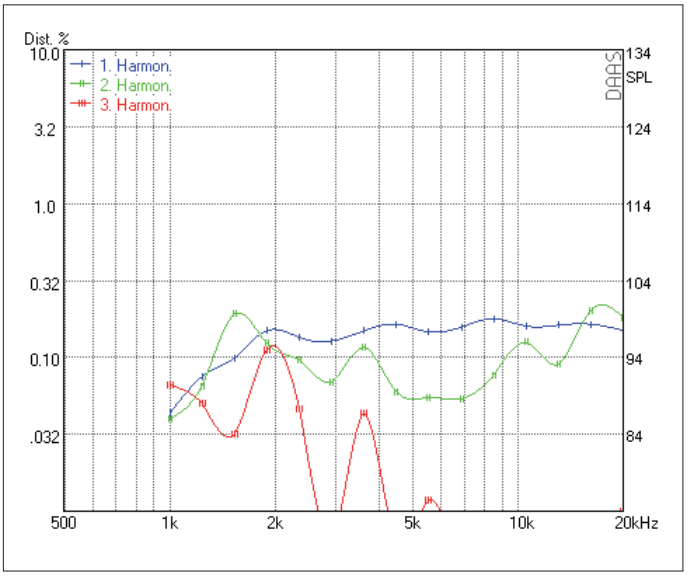
- Very low distortion • Very slim design • Low x-over frequency
- Pronounced directivity • 99 dB sensitivity



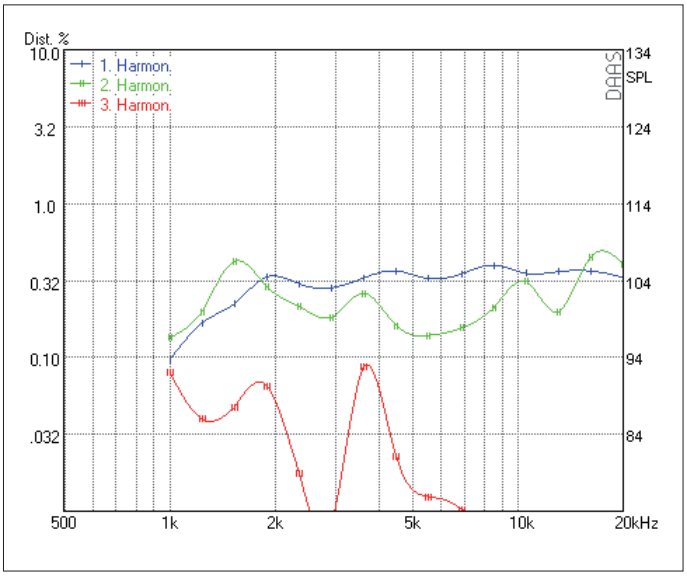
SPL 2.83 V - Phase - Impedance



Waterfall

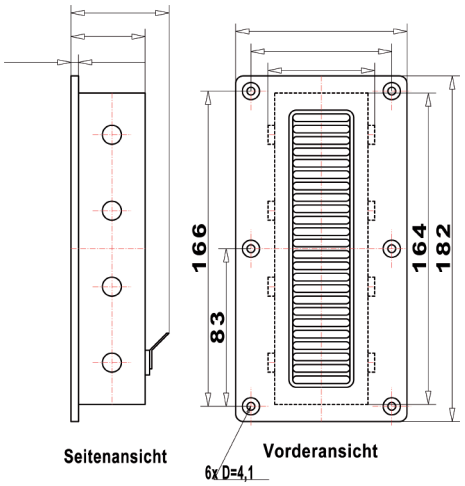


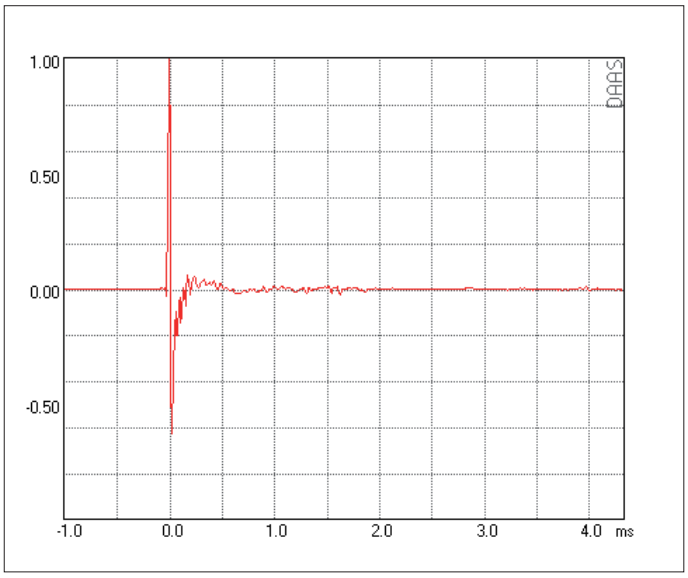
Harmonic Distortion 2.83 V



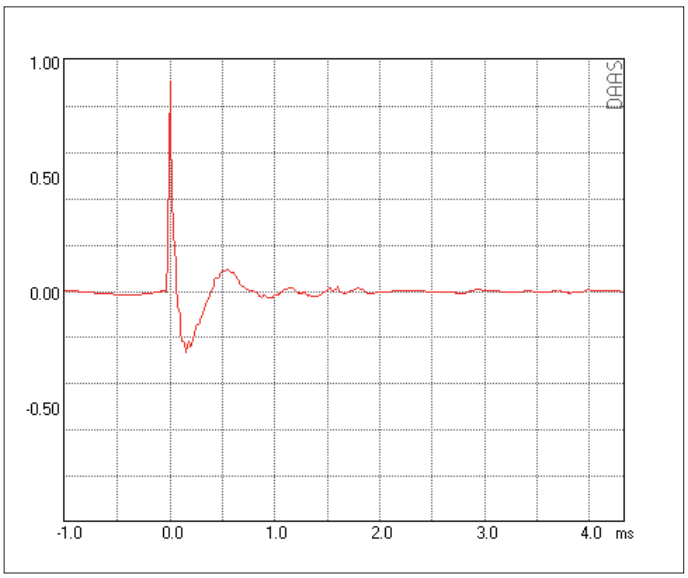
Harmonic Distortion 105 dB

RESISTANCE	NOMINAL 8 OHM
Zo 8.9 OHM • Zmin 8.4 OHM •	RE 8.4 OHM
SENSITIVITY @ 2.83 V	97 dB
FREQUENCY RESPONSE / -6 dB	1600 Hz - 32 kHz
POWER HANDLING	240 W
RESONANCE FREQUENCY / FS	2000 Hz
RECOMMENDED CROSSOVER / 6 dB	2600 Hz
RECOMMENDED CROSSOVER / 12 dB	2300 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB	60°
DIAPHRAGM AREA	6515 mm²
MAGNET MATERIAL	NEODYMIUM
FACE PLATE	3 mm Anodized Aluminum

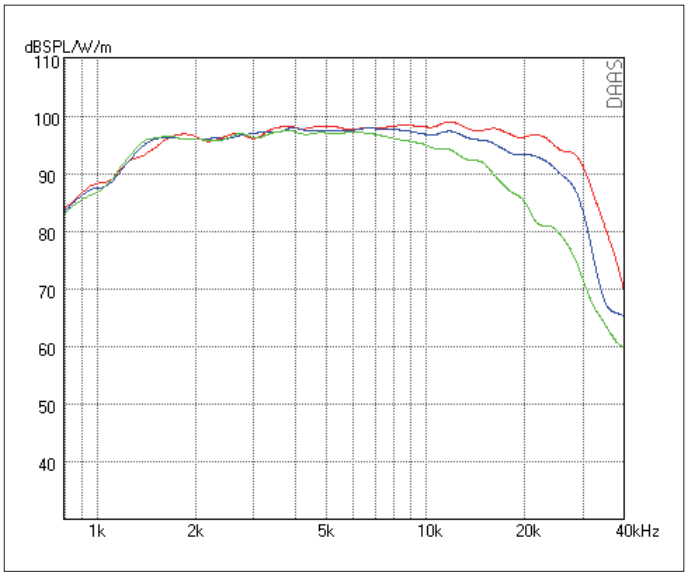




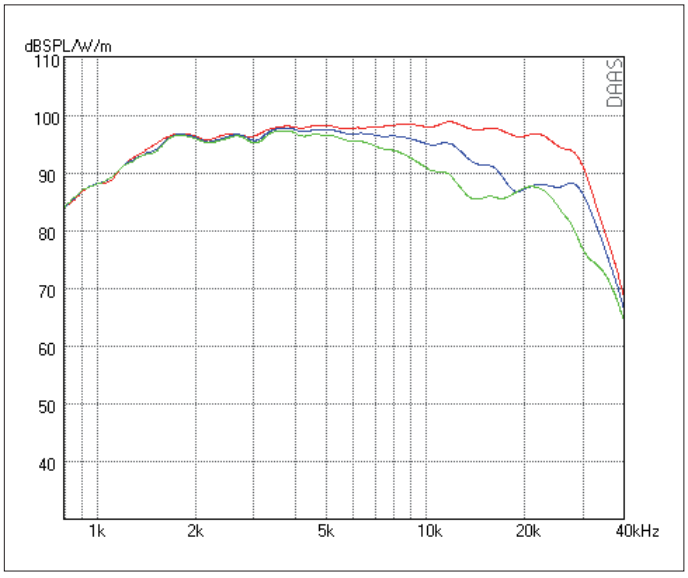
Impulse Response



Step Response



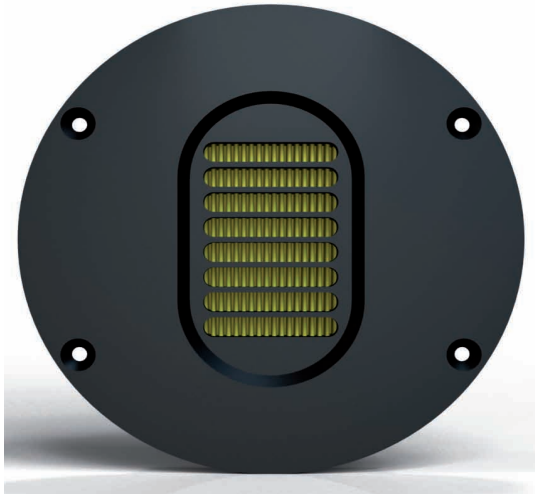
SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®23D6.1-C

Preis/Price 279 €

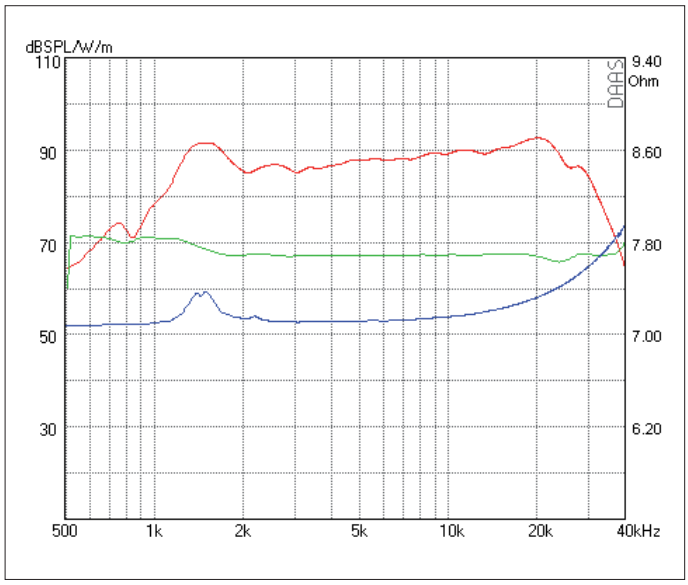


Dieser Dipol ist optimiert für den Einbau in eine Schallwand. Mit Resonanzlinearisierung ist eine Übernahmefrequenz von 2 kHz möglich. Der Wirkungsgrad passt zu den meisten Mitteltieftönern.

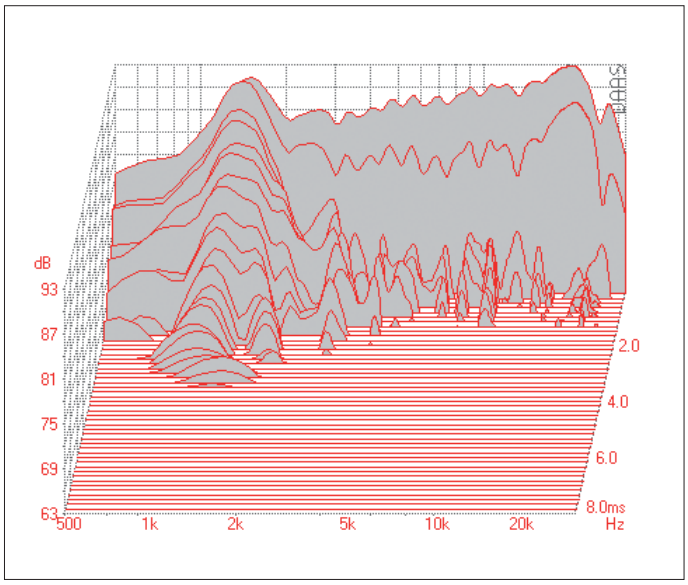
- Sehr linearer Frequenzgang • Unkritischer Impedanzverlauf
- Gutes Rundumstrahlverhalten
- Ausschwingverhalten optimiert auf Dipol-Einsatz

This dipole is optimized for installation in a baffle. With a resonance linearization crossover frequency of 2 kHz is possible. The efficiency fits with most mid-range drivers.

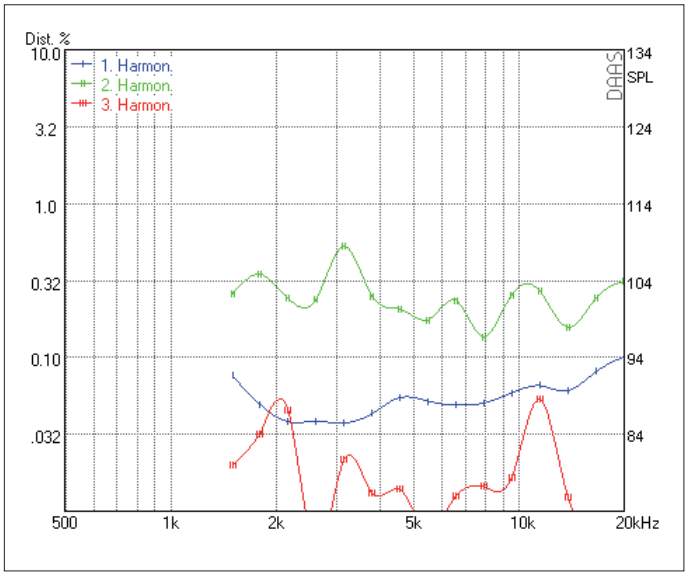
- Very low distortion • Very flat impedance curve
- Wide spread directivity • Low x-over frequency
- Swing- out behaviour optimized for dipole use



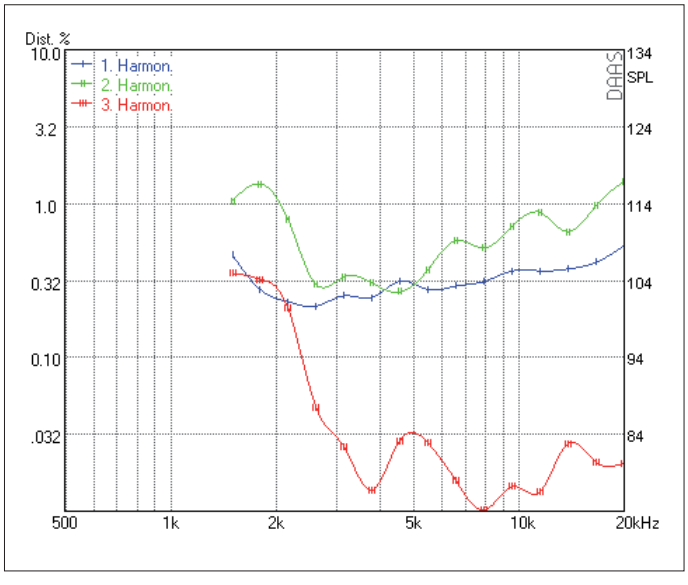
SPL 2.83 V - Phase - Impedance



Waterfall

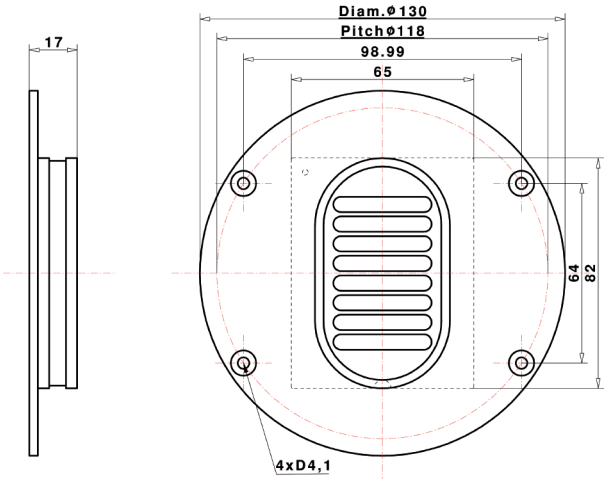


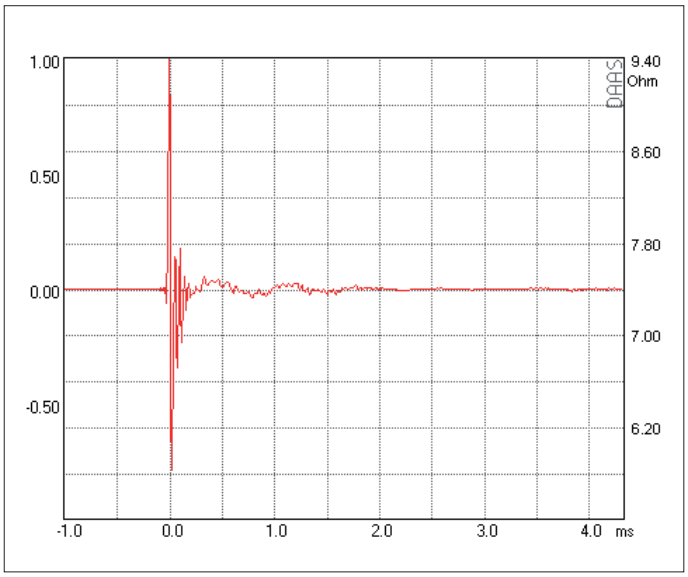
Harmonic Distortion 2.83 V



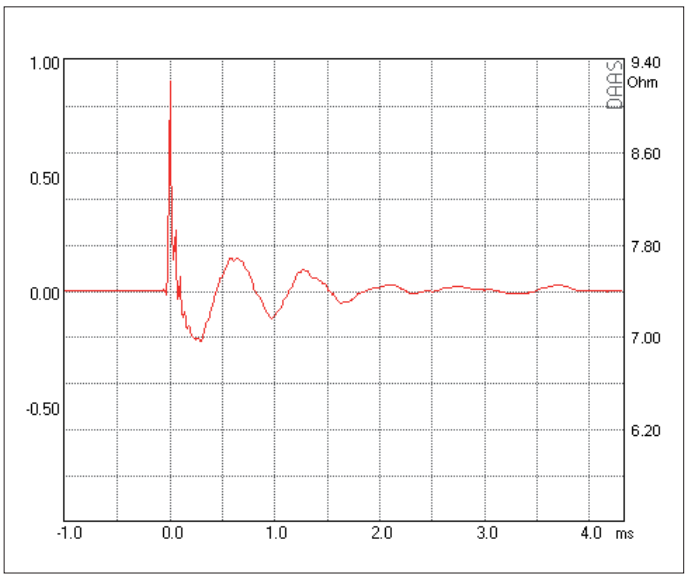
Harmonic Distortion 105 dB

RESISTANCE		NOMINAL 8 OHM
Zo 7.4 OHM	• Zmin 6.9 OHM •	RE 6.9 OHM
SENSITIVITY @ 2.83 V		88 dB
FREQUENCY RESPONSE / -6 dB		1200 Hz – 30 kHz
POWER HANDLING		92 W
RESONANCE FREQUENCY / FS		1500 Hz
RECOMMENDED CROSSOVER / 6 dB		2600 Hz
RECOMMENDED CROSSOVER / 12 dB		2400 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB		60°
DIAPHRAGM AREA		2210 mm²
MAGNET MATERIAL		NEODYMIUM
FACE PLATE		3 mm Aluminum

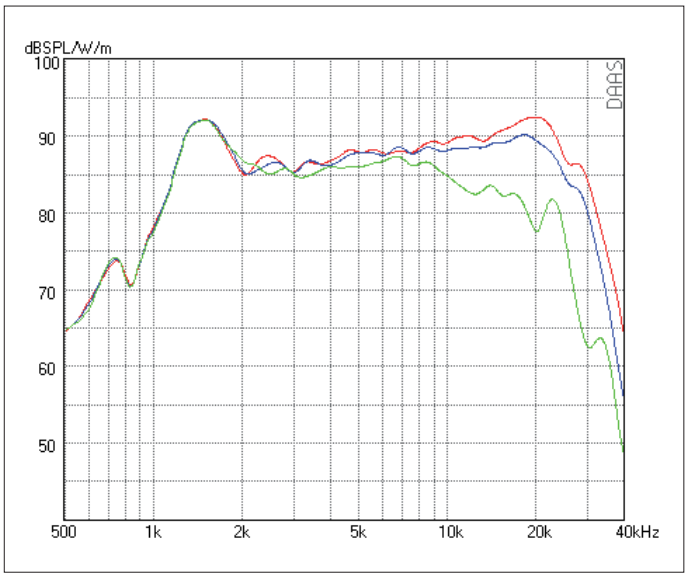




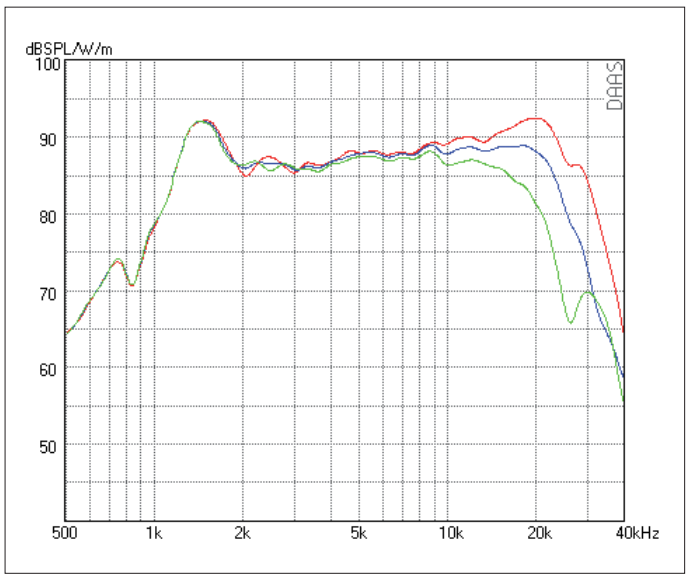
Impulse Response



Step Response



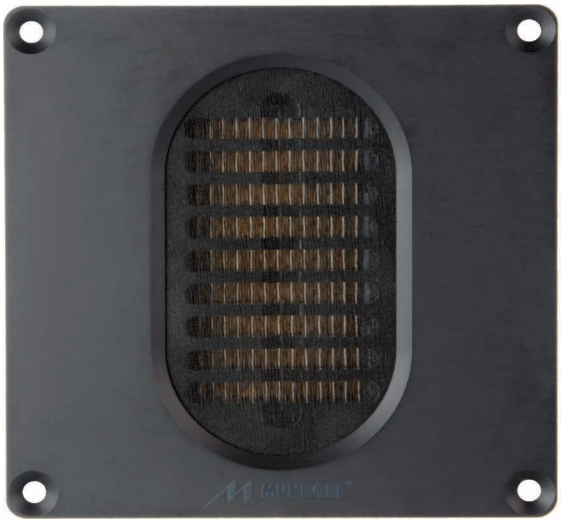
SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®23D6.1-R

Preis/Price 279 €

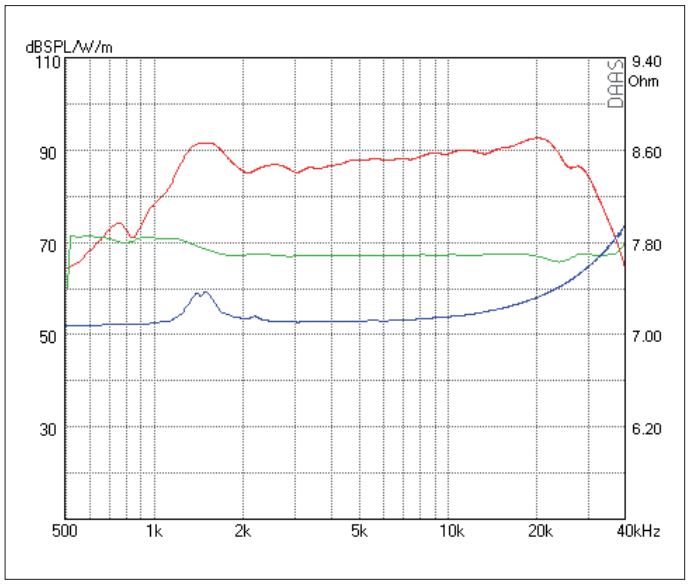


Dieser Dipol ist optimiert für den Einbau in eine Schallwand. Mit Resonanzlinearisierung ist eine Übernahmefrequenz von 2 kHz möglich. Der Wirkungsgrad passt zu den meisten Mitteltieftönern.

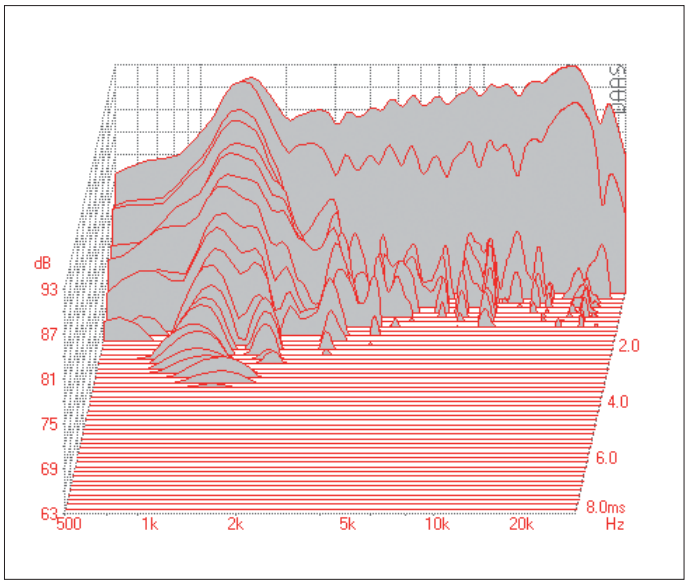
- Sehr linearer Frequenzgang • Unkritischer Impedanzverlauf
- Gutes Rundumstrahlverhalten
- Ausschwingverhalten optimiert auf Dipol-Einsatz

This dipole is optimized for installation in a baffle. With a resonance linearization crossover frequency of 2 kHz is possible. The efficiency fits with most mid-range drivers.

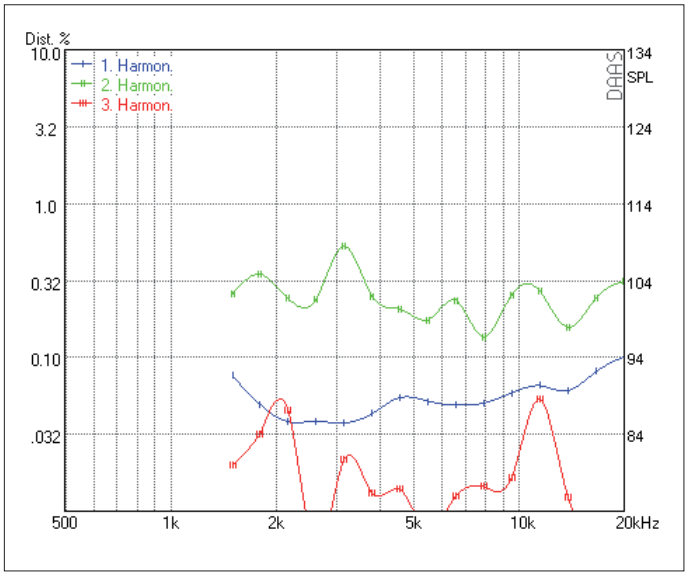
- Very low distortion • Very flat impedance curve
- Wide spread directivity • Low x-over frequency
- Swing- out behaviour optimized for dipole use



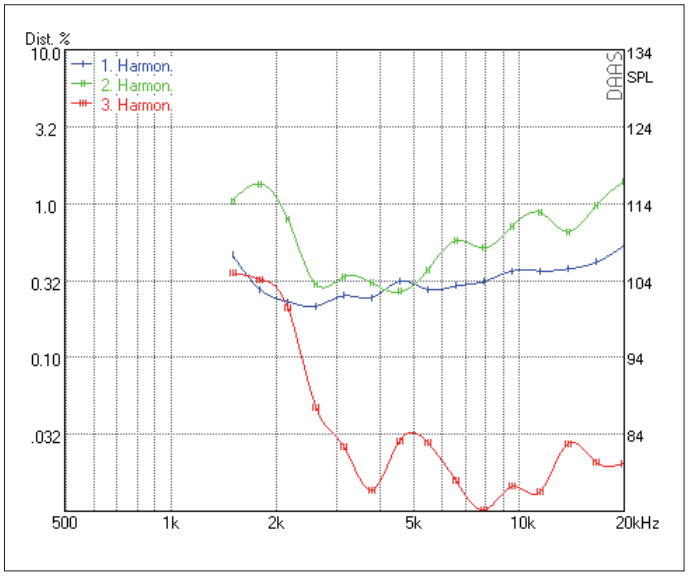
SPL 2.83 V - Phase - Impedance



Waterfall

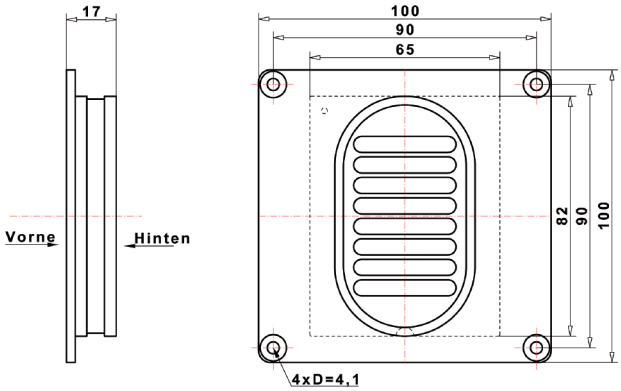


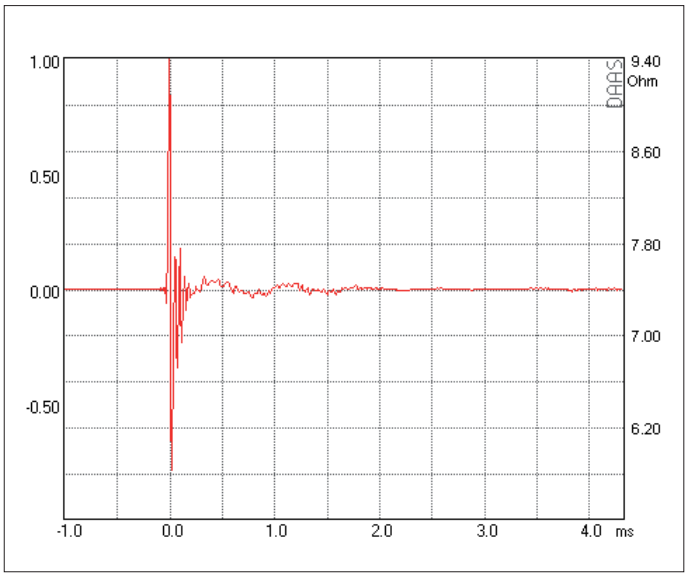
Harmonic Distortion 2.83 V



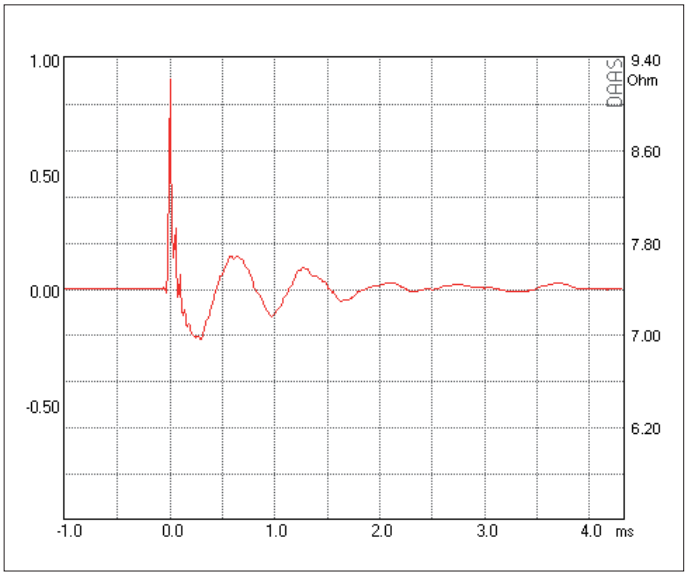
Harmonic Distortion 105 dB

RESISTANCE		NOMINAL 8 OHM
Zo 7.4 OHM	Zmin 6.9 OHM	RE 6.9 OHM
SENSITIVITY @ 2.83 V		88 dB
FREQUENCY RESPONSE / -6 dB		1200 Hz – 30 kHz
POWER HANDLING		92 W
RESONANCE FREQUENCY / FS		1500 Hz
RECOMMENDED CROSSOVER / 6 dB		2600 Hz
RECOMMENDED CROSSOVER / 12 dB		2400 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB		60°
DIAPHRAGM AREA		2210 mm²
MAGNET MATERIAL		NEODYMIUM
FACE PLATE		3 mm Aluminum

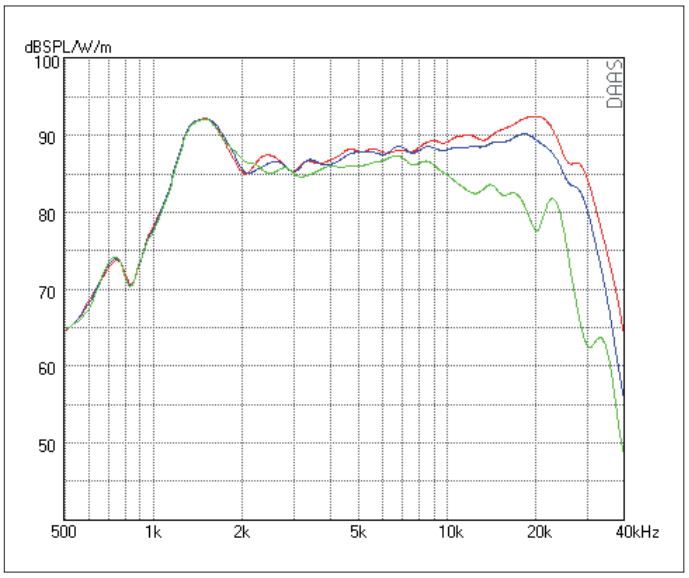




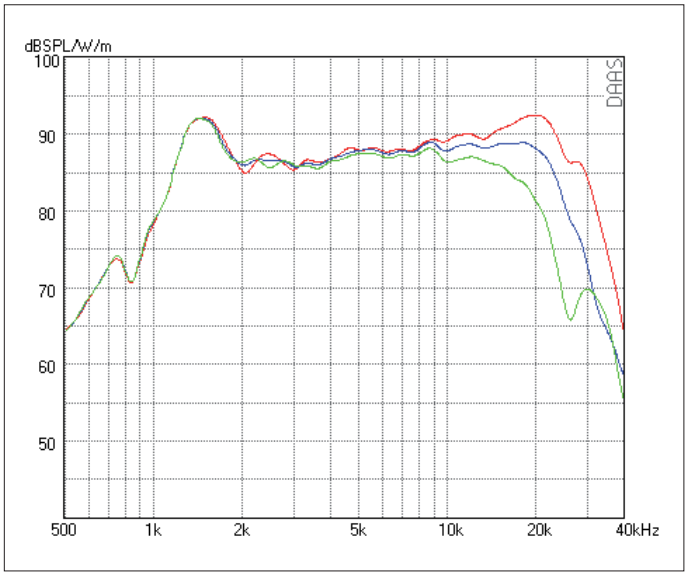
Impulse Response



Step Response



SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®25D6.1-R

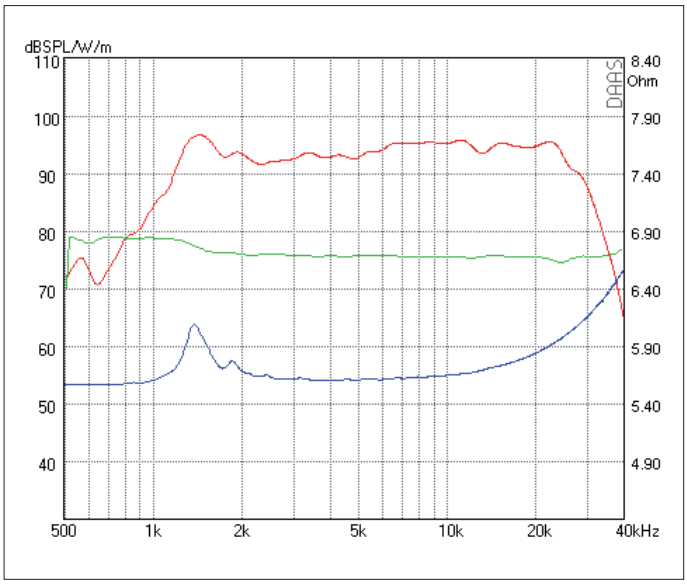
Preis/Price 329 €

Dieser Dipol ist optimiert für den Einbau in eine Schallwand. Mit Resonanzlinearisierung ist eine Übernahmefrequenz von 2 kHz möglich. Mit einer Empfindlichkeit von 93 dB bereits für Röhrenfreunde geeignet.

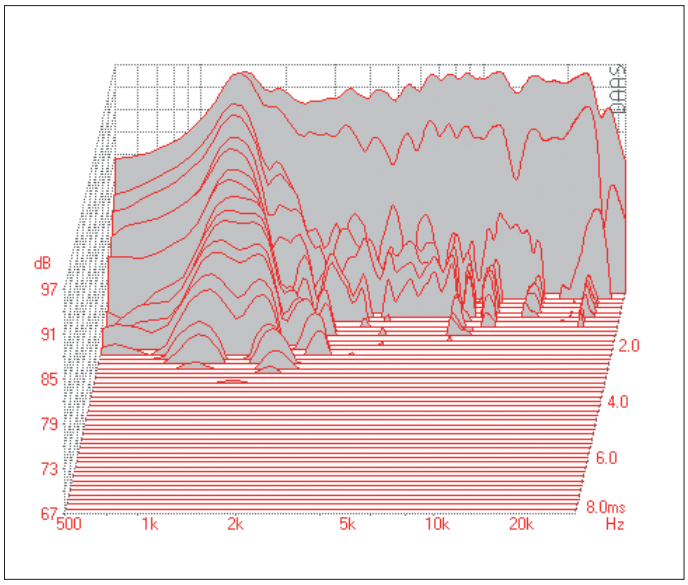
- Sehr linearer Frequenzgang • Unkritischer Impedanzverlauf
- Ausschwingverhalten optimiert auf Dipol- Einsatz
- Hoher Wirkungsgrad

This dipole is optimized for installation in a baffle. With a resonance linearization crossover frequency of 2 kHz is possible. With a sensitivity of 93 dB for this AMT is suitable for tube friends.

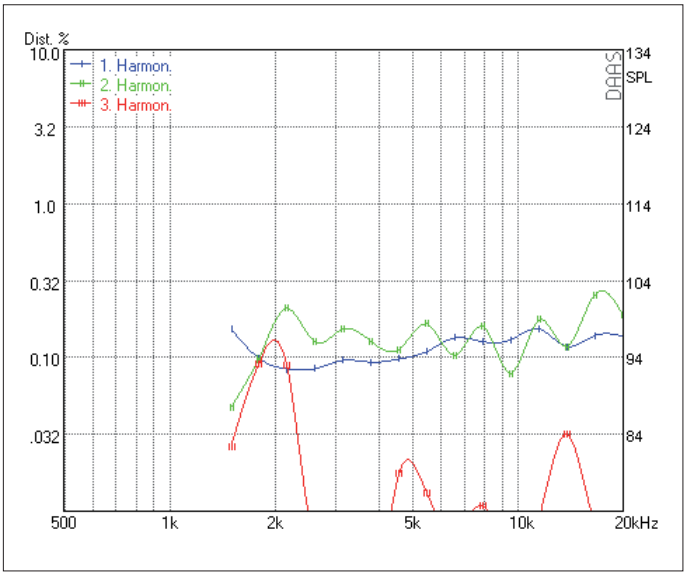
- Very low distortion • Very flat impedance curve
- Swing- out behaviour optimized for dipole use • High sensitivity



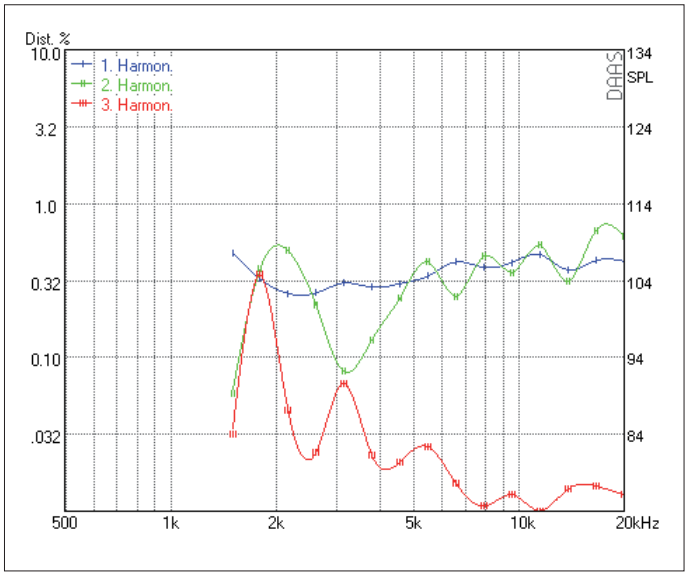
SPL 2.83 V - Phase - Impedance



Waterfall

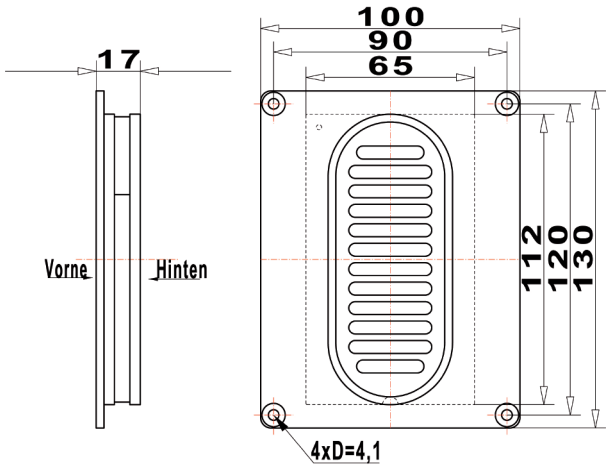


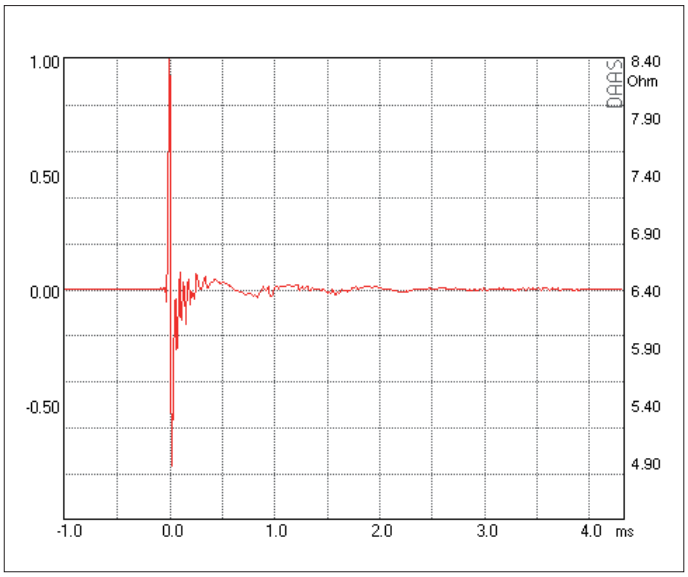
Harmonic Distortion 2.83 V



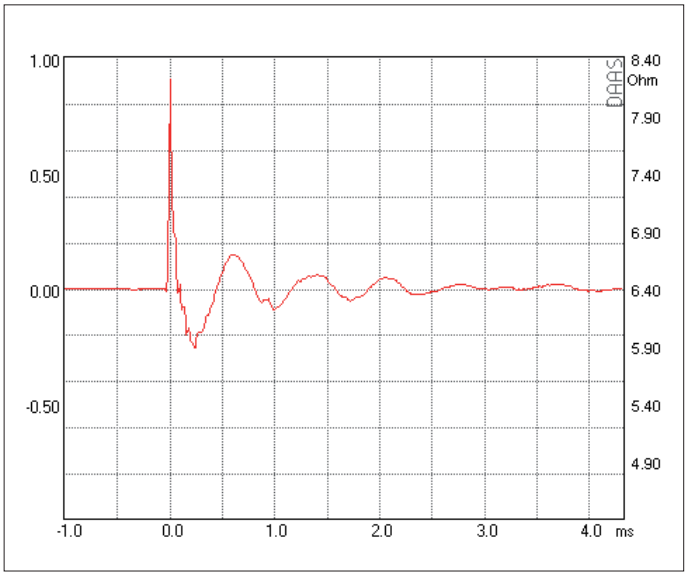
Harmonic Distortion 105 dB

RESISTANCE		NOMINAL 6 OHM
Zo 6.1 OHM	• Zmin 5.6 OHM •	RE 5.6 OHM
SENSITIVITY @ 2.83 V		93 dB
FREQUENCY RESPONSE / -6 dB		1100 Hz – 30 kHz
POWER HANDLING		135 W
RESONANCE FREQUENCY / FS		1400 Hz
RECOMMENDED CROSSOVER / 6 dB		2500 Hz
RECOMMENDED CROSSOVER / 12 dB		2300 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB		60°
DIAPHRAGM AREA		6464 mm²
MAGNET MATERIAL		NEODYMIUM
FACE PLATE		3 mm Aluminum

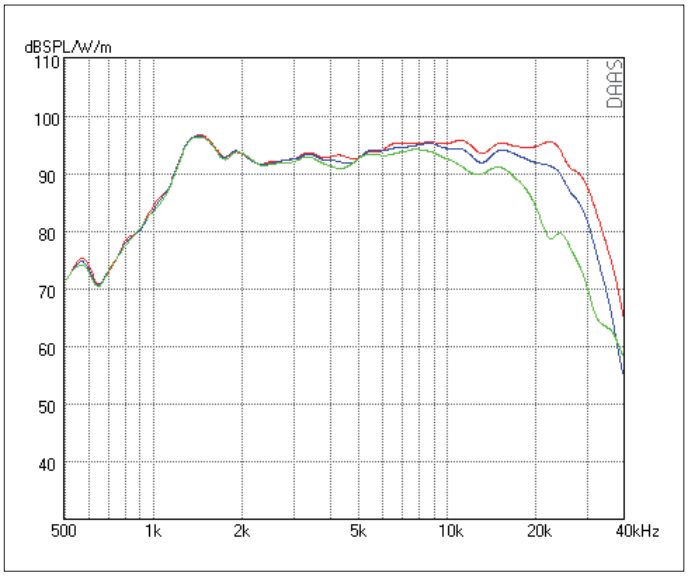




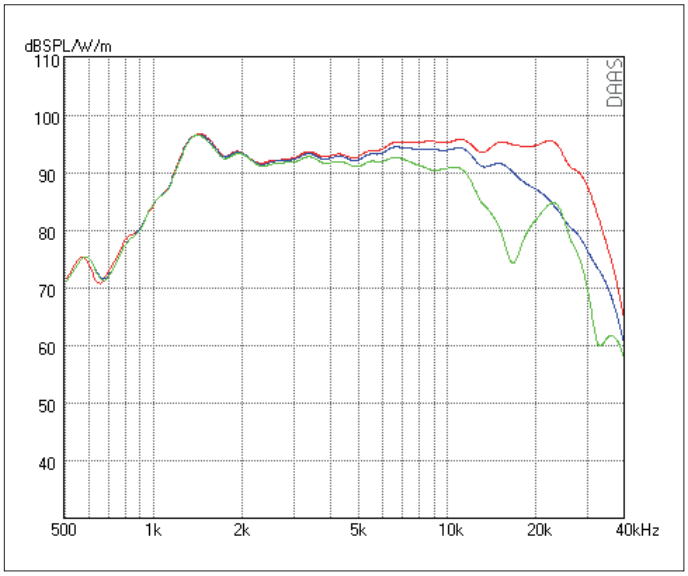
Impulse Response



Step Response



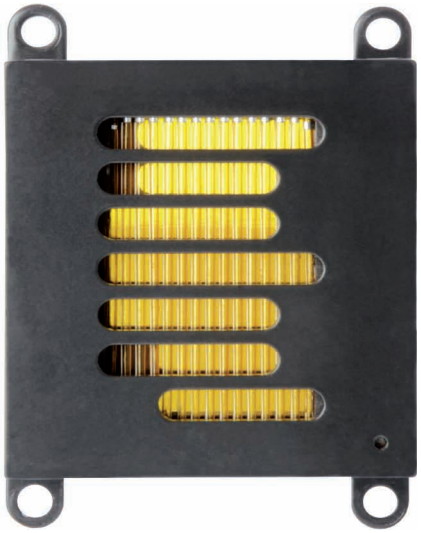
SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®17D1.1

Preis/Price 149 €

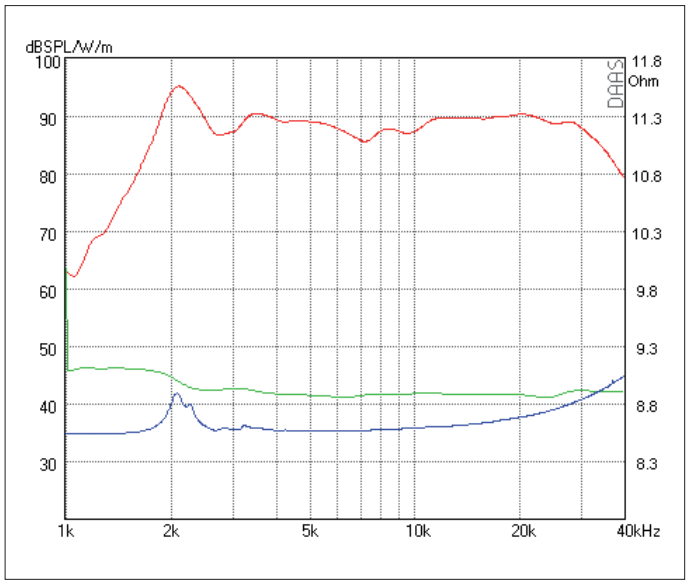


Dipol zur freien Aufstellung. Einsatz als Super- Hochtöner für vorhandene Lautsprecher oder Dipol- Breitbänder.

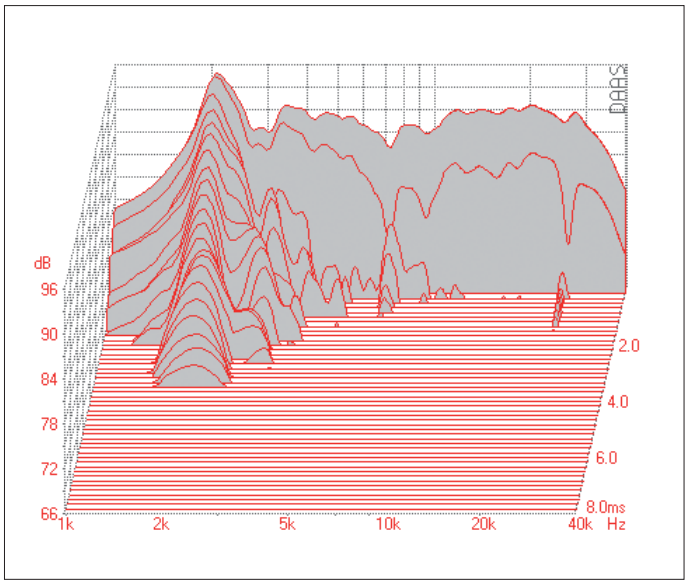
• Keine Schallwand notwendig • Linear bis 35 kHz

Free-standing Dipole. Useable as a super tweeter for existing speaker boxes or for combination with full range drivers.

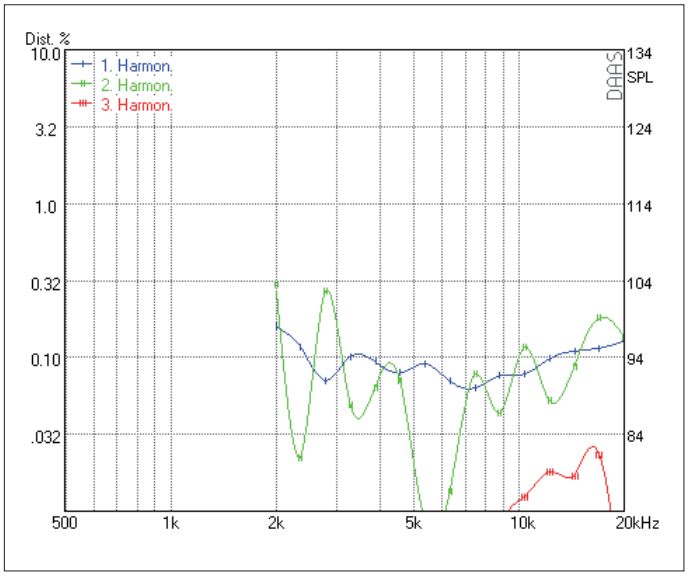
• No baffle required • Frequency range up to 35 kHz



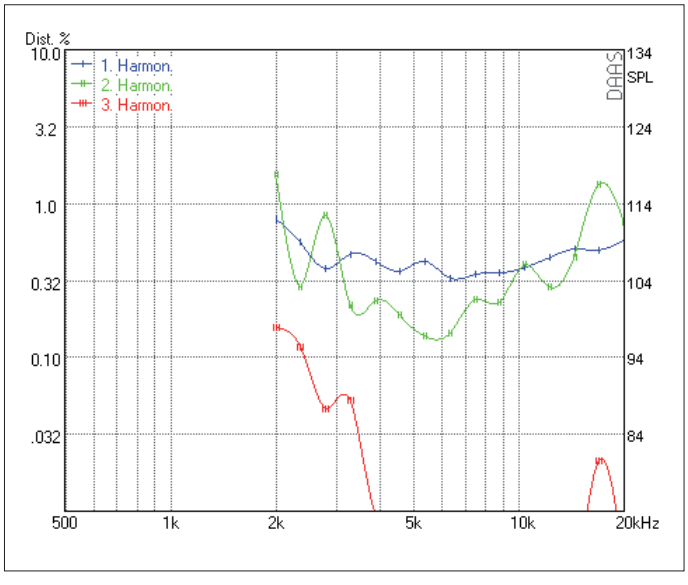
SPL 2.83 V - Phase - Impedance



Waterfall

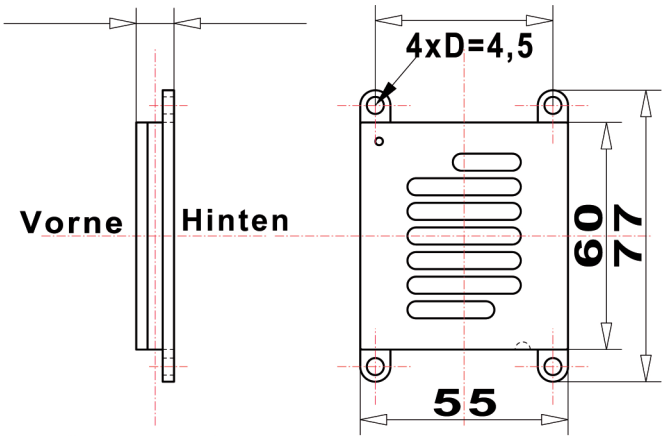


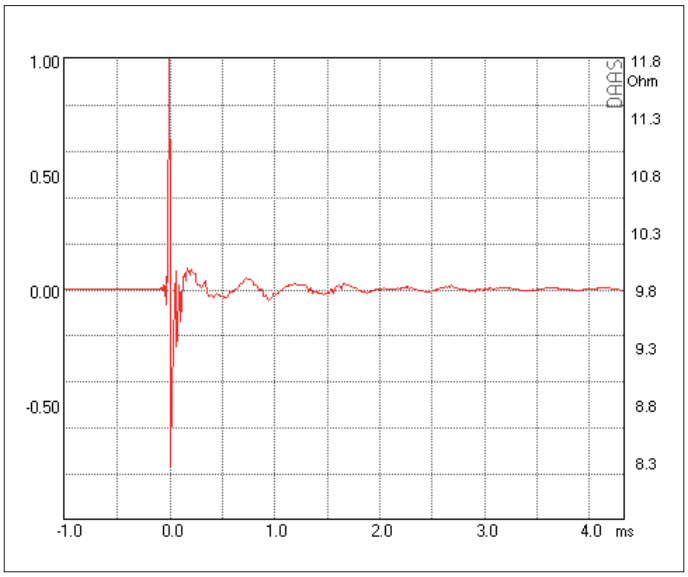
Harmonic Distortion 2.83 V



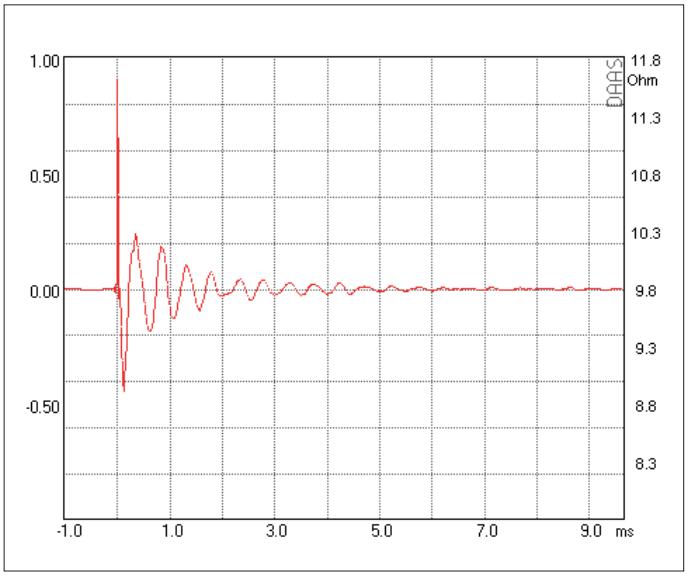
Harmonic Distortion 105 dB

RESISTANCE	NOMINAL 8 OHM
Zo 8.9 OHM • Zmin 8.6 OHM •	RE 8.6 OHM
SENSITIVITY @ 2.83 V	89 dB
FREQUENCY RESPONSE / -6 dB	1200Hz - 35 kHz
POWER HANDLING	60 W
RESONANCE FREQUENCY / FS	2100 Hz
RECOMMENDED CROSSOVER / 6 dB	6000 Hz
RECOMMENDED CROSSOVER / 12 dB	4500 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB	40°
DIAPHRAGM AREA	1260 mm²
MAGNET MATERIAL	NEODYMIUM
FACE PLATE	non

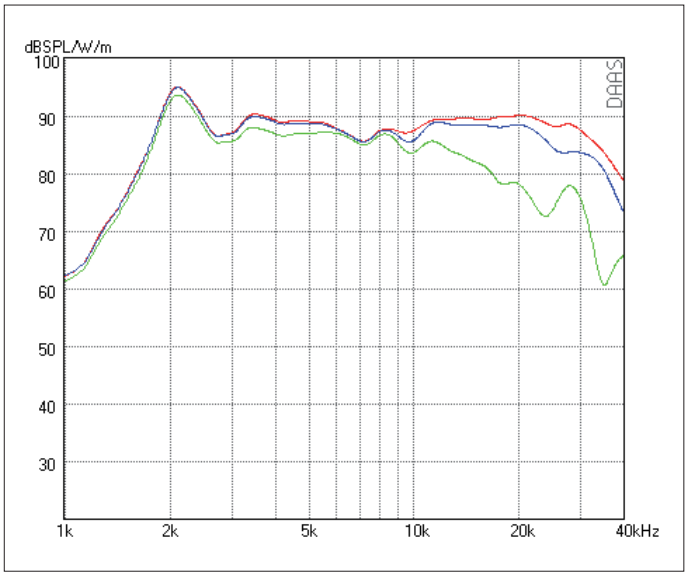




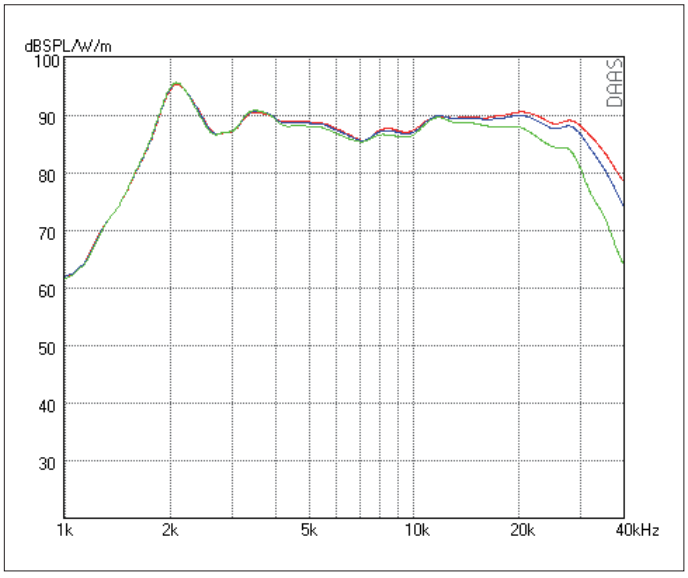
Impulse Response



Step Response



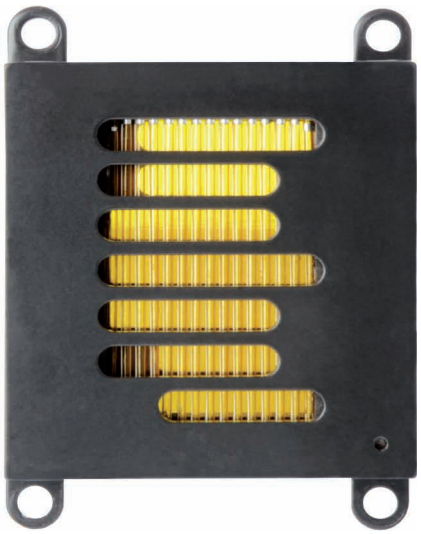
SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®17D2.1

Preis/Price 149 €

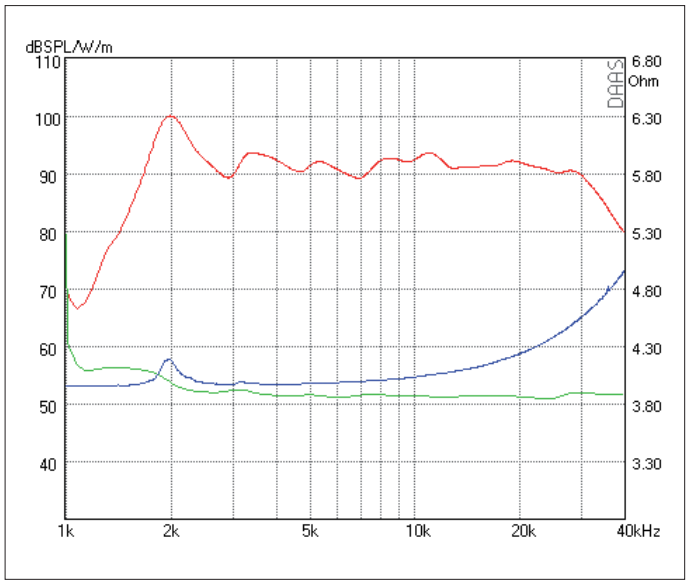


Dipol zur freien Aufstellung. Einsatz als Super- Hochtöner für vorhandene Lautsprecher oder Dipol- Breitbänder. 4 Ohm Version. Etwas tiefere Übernahmefrequenz.

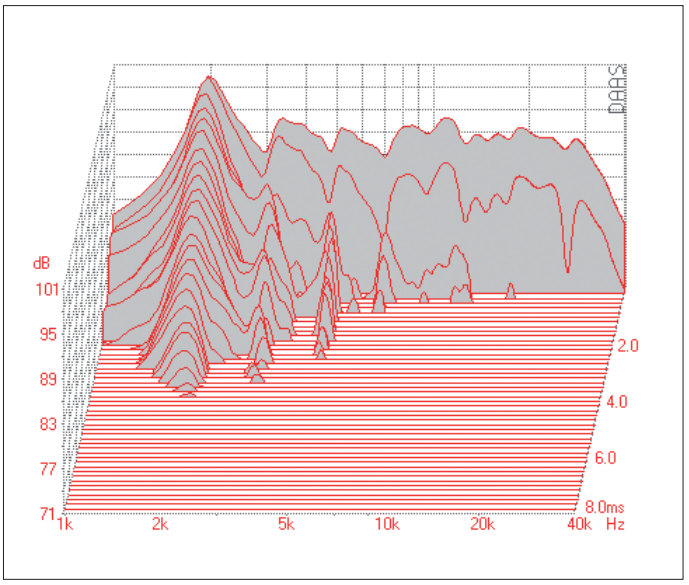
• Keine Schallwand notwendig • Linear bis 35 kHz

Free-standing Dipole. Useable as a super tweeter for existing speaker boxes or for combination with full range drivers. 4 ohms version. Lower cross over frequency.

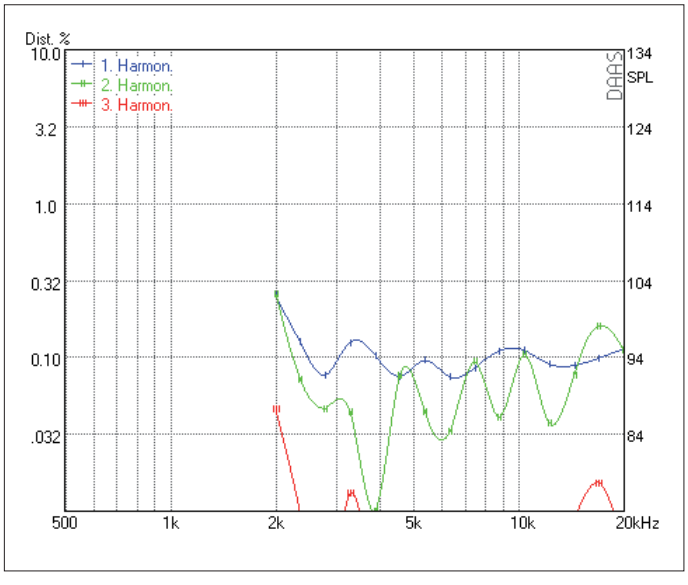
• No baffle required • Frequency range up to 35 kHz



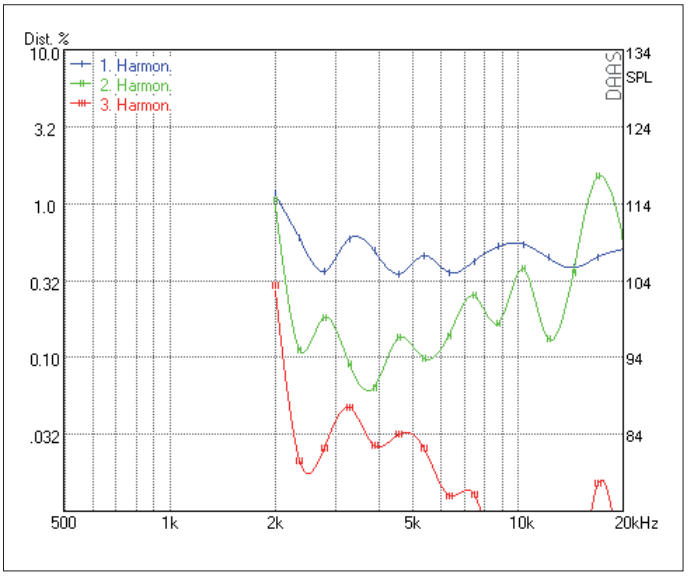
SPL 2.83 V - Phase - Impedance



Waterfall

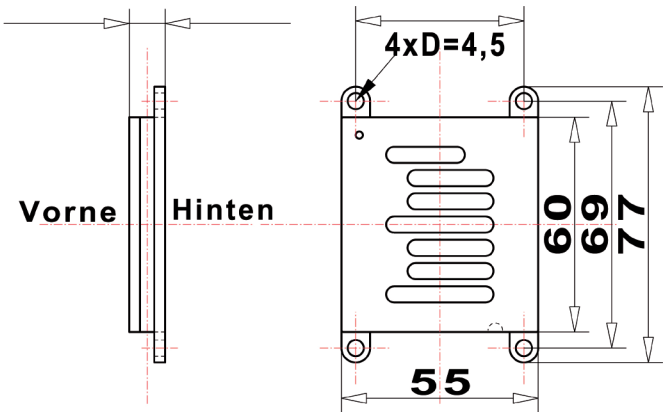


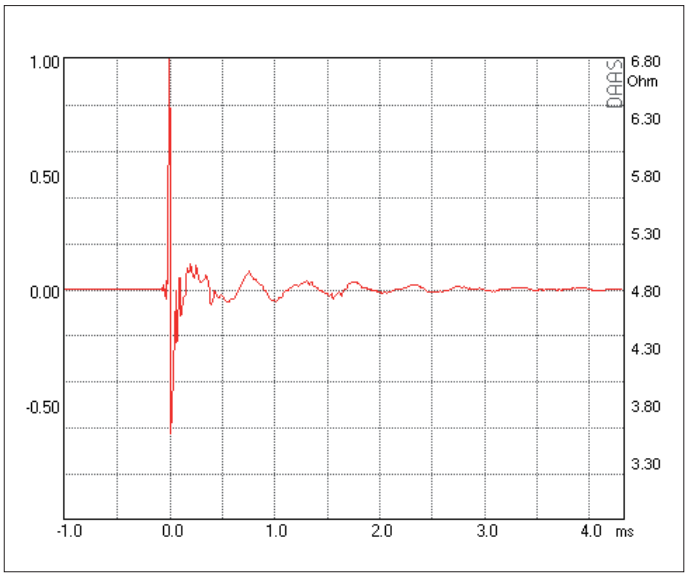
Harmonic Distortion 2.83 V



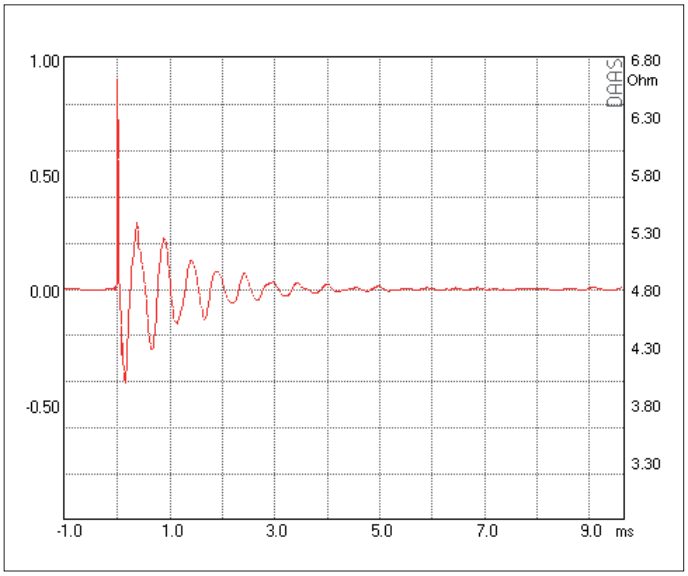
Harmonic Distortion 105 dB

RESISTANCE		NOMINAL 4 OHM
Zo 4.2 OHM	• Zmin 3.9 OHM •	RE 3.9 OHM
SENSITIVITY @ 2.83 V		91 dB
FREQUENCY RESPONSE / -6 dB		1500 Hz - 35 kHz
POWER HANDLING		60 W
RESONANCE FREQUENCY / FS		2000 Hz
RECOMMENDED CROSSOVER / 6 dB		5000 Hz
RECOMMENDED CROSSOVER / 12 dB		4000 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB		50°
DIAPHRAGM AREA		1260 mm²
MAGNET MATERIAL		NEODYMIUM
FACE PLATE		non

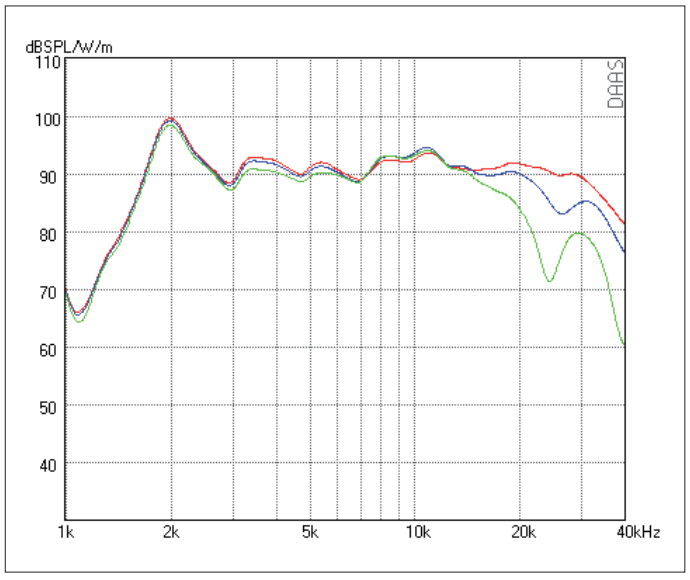




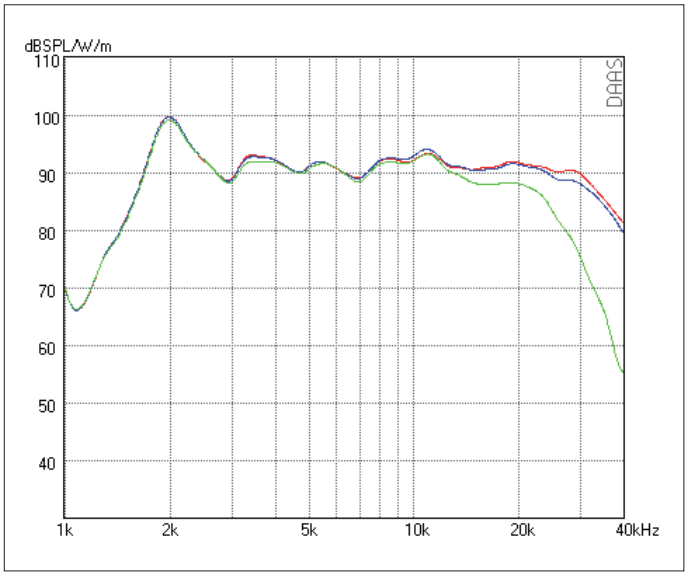
Impulse Response



Step Response



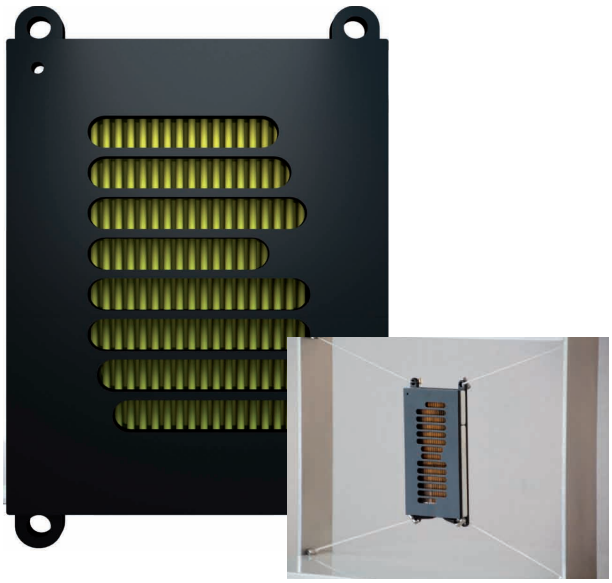
SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®23D1.1

Preis/Price 279 €



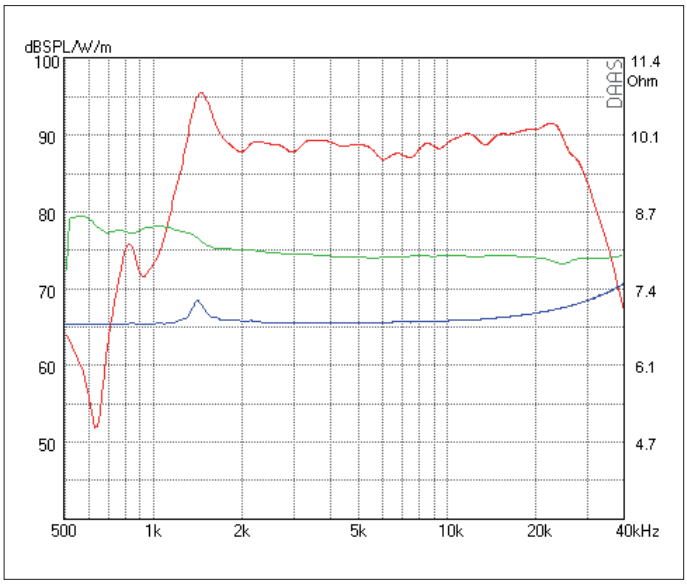
„Kundenlösung daudio, NL“
„Resolution of customer daudio, NL“

Dipol zur freien Aufstellung. Mit Resonanzlinearisierung ist eine Übernahmefrequenz von 2 kHz möglich. Der Wirkungsgrad passt zu den meisten Mitteltieftönern.

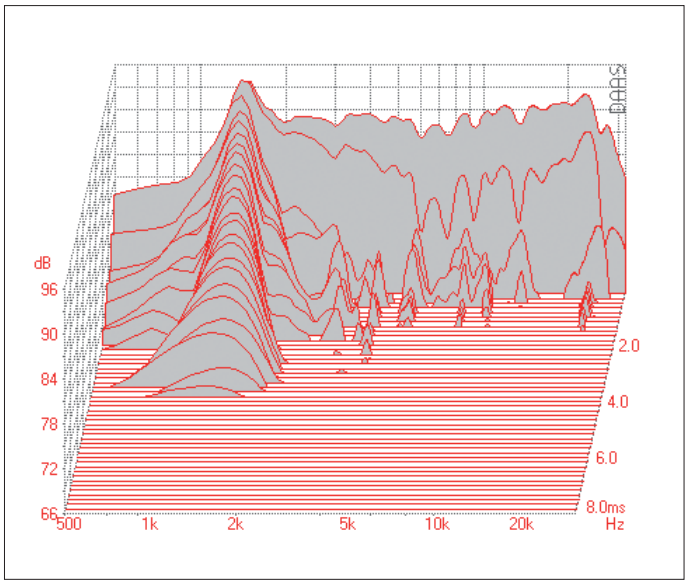
• Keine Schallwand notwendig • Sehr linearer Frequenzgang
• Unkritischer Impedanzverlauf
• Ausschwingverhalten optimiert auf Dipol- Einsatz

Free-standing Dipole. With a resonance linearization crossover frequency of 2 kHz is possible. The efficiency fits with most mid-range drivers.

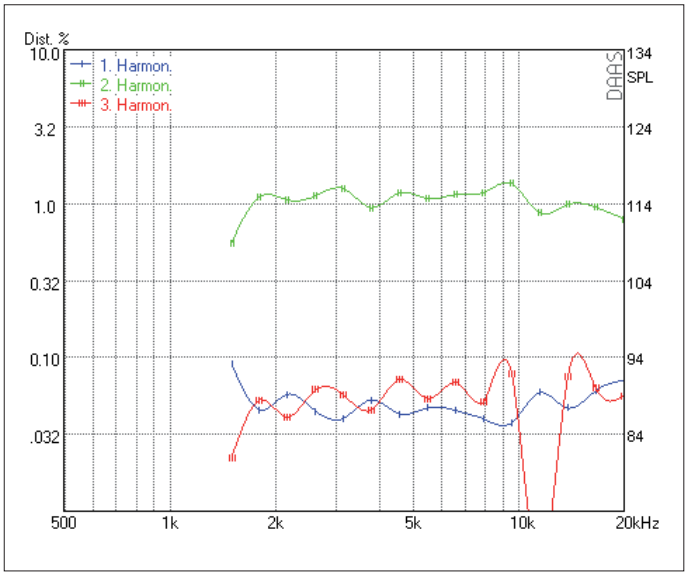
• No baffle required • Very flat frequency response
• Uncritical impedance curve
•Swing- out behaviour optimized for dipole use



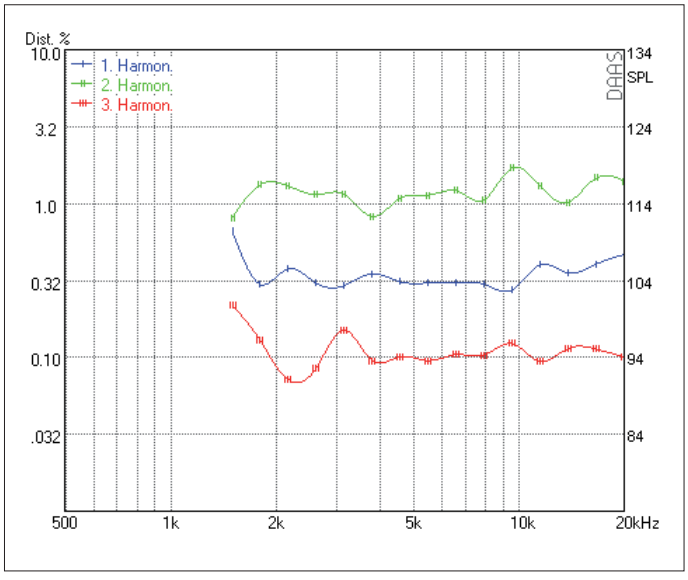
SPL 2.83 V - Phase - Impedance



Waterfall

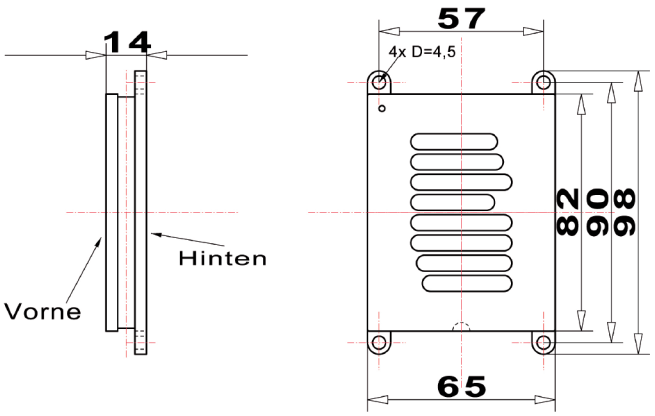


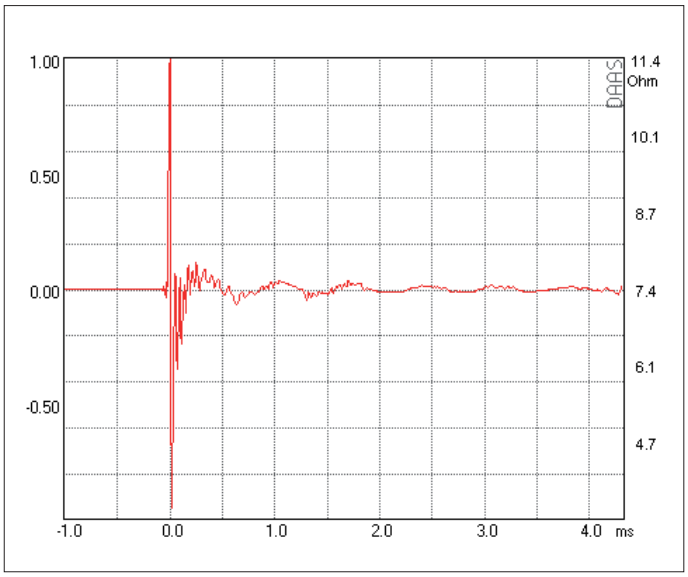
Harmonic Distortion 2.83 V



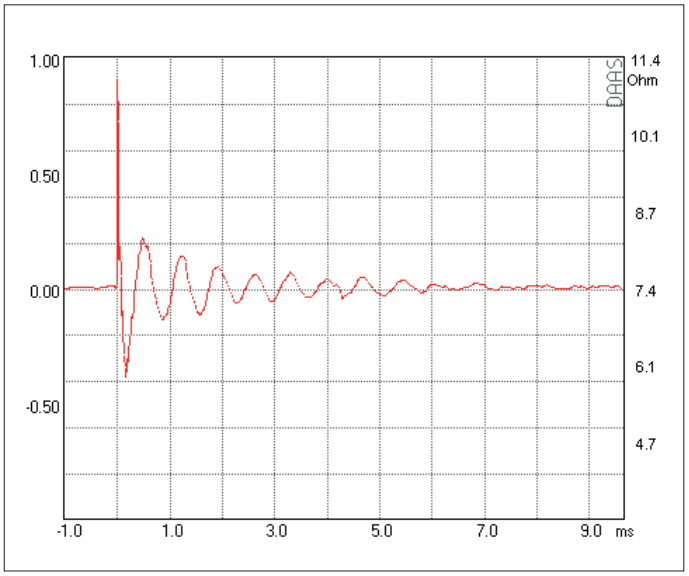
Harmonic Distortion 105 dB

RESISTANCE		NOMINAL 8 OHM
Zo 7.3 OHM	Zmin 6.9 OHM	RE 6.9 OHM
SENSITIVITY @ 2.83 V		89 dB
FREQUENCY RESPONSE / -6 dB		1200 Hz - 30 kHz
POWER HANDLING		92 W
RESONANCE FREQUENCY / FS		1400 Hz
RECOMMENDED CROSSOVER / 6 dB		2600 Hz
RECOMMENDED CROSSOVER / 12 dB		2300 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB		60°
DIAPHRAGM AREA		2210 mm²
MAGNET MATERIAL		NEODYMIUM
FACE PLATE		non

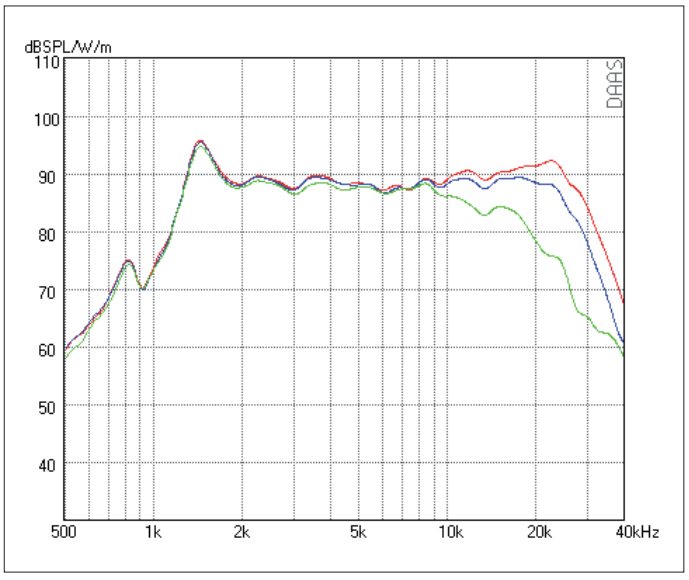




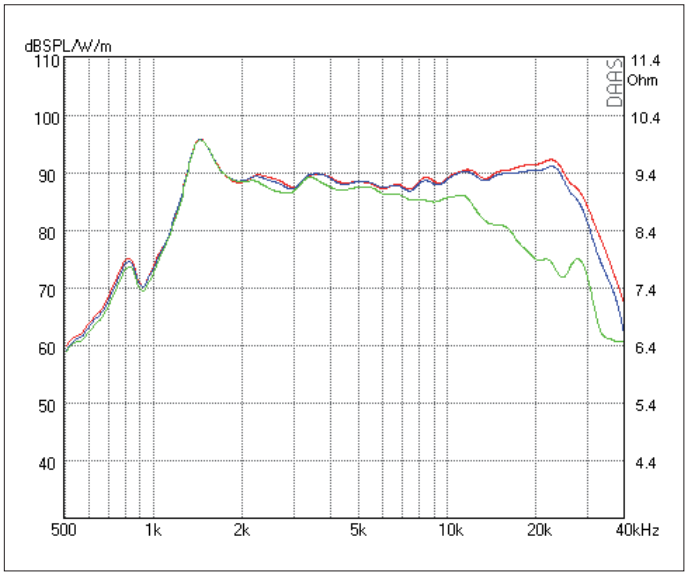
Impulse Response



Step Response



SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®25D1.1

Preis/Price 329 €

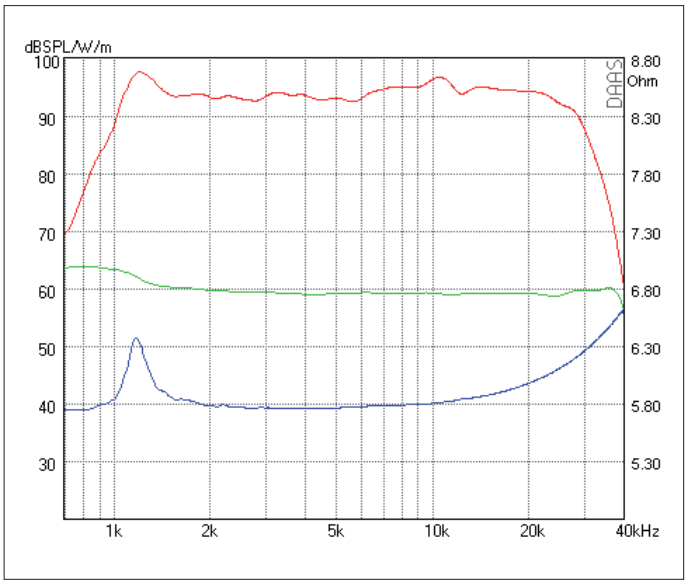
„Kundenlösung daudio, NL“
„Resolution of customer daudio, NL“

Dipol zur freien Aufstellung. Mit Resonanzlinearisierung ist eine Übernahmefrequenz von 2 kHz möglich. Mit einer Empfindlichkeit von 93 dB bereits für Röhrenfreunde geeignet.

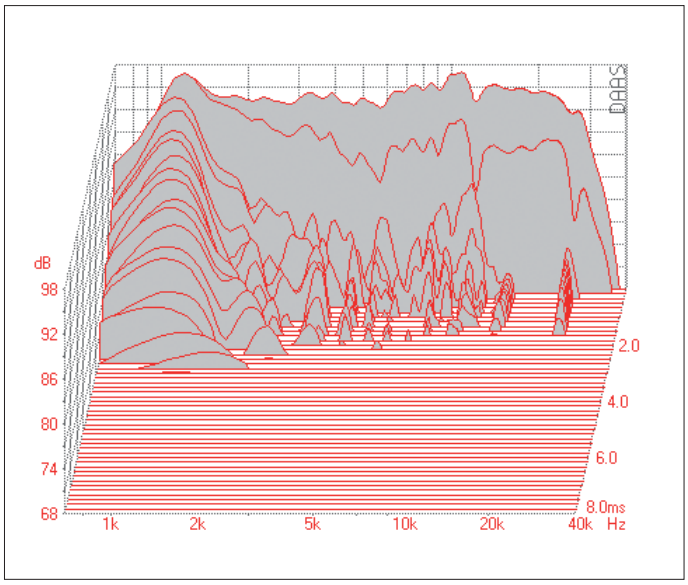
• Keine Schallwand notwendig • Sehr linearer Frequenzgang
• Ausschwingverhalten optimiert auf Dipol- Einsatz

Free-standing Dipole. With a resonance linearization crossover frequency of 2 kHz is possible. With a sensitivity of 93 dB this AMT is suitable for tube friends.

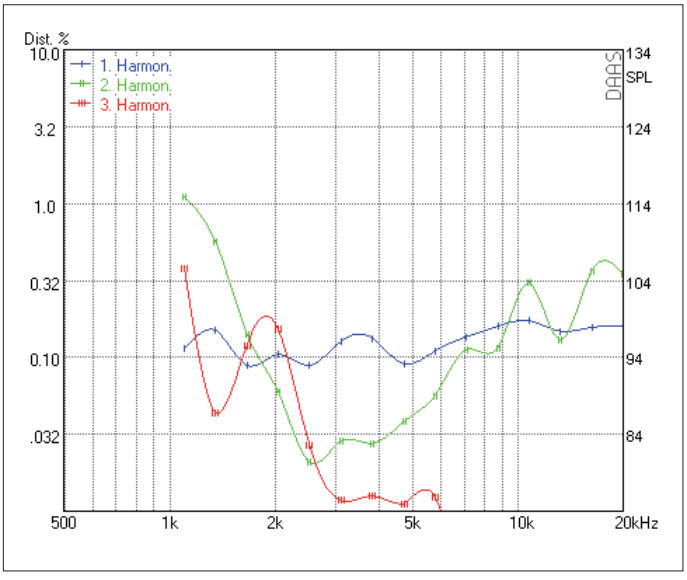
• No baffle required • Very flat frequency response
• Swing- out behaviour optimized for dipole use



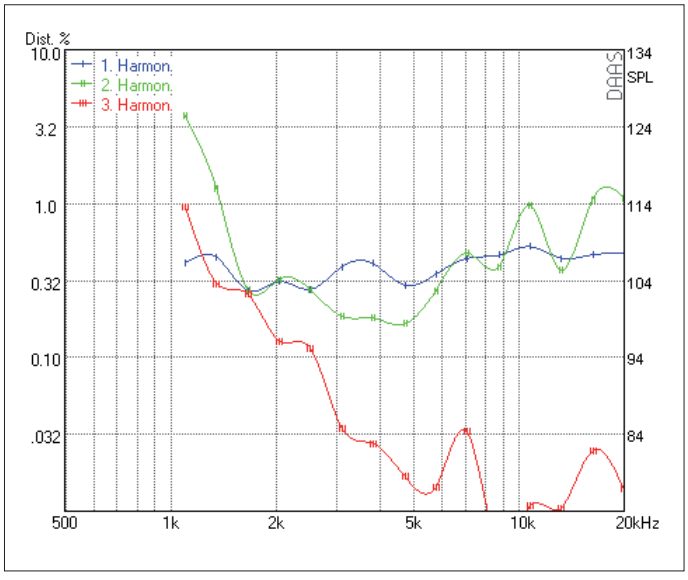
SPL 2.83 V - Phase - Impedance



Waterfall

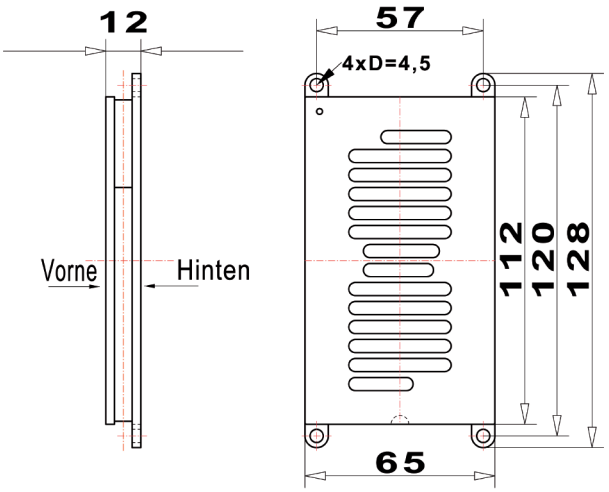


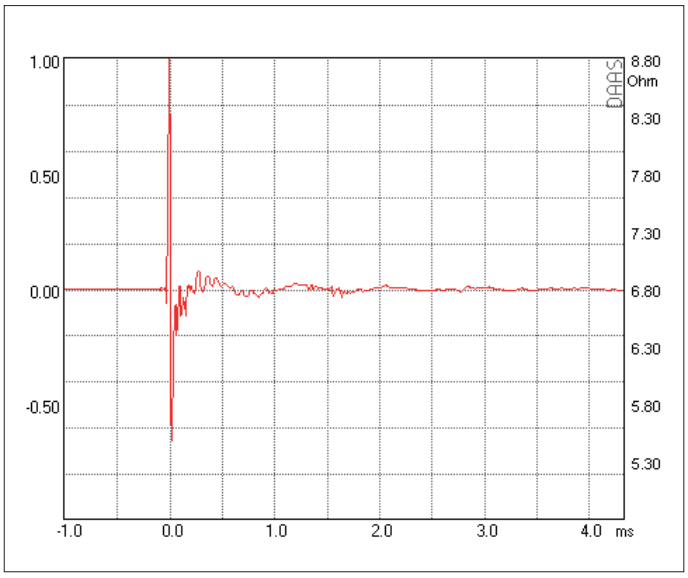
Harmonic Distortion 2.83 V



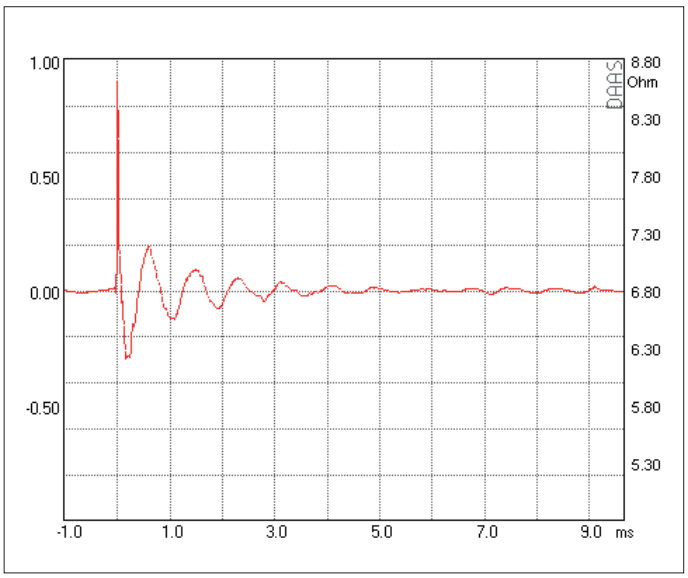
Harmonic Distortion 105 dB

RESISTANCE	NOMINAL 6 OHM
Zo 6.1 OHM • Zmin 5.6 OHM • RE 5.6 OHM	
SENSITIVITY @ 2.83 V	93 dB
FREQUENCY RESPONSE / -6 dB	1100 Hz – 30 kHz
POWER HANDLING	135 W
RESONANCE FREQUENCY / FS	1400 Hz
RECOMMENDED CROSSOVER / 6 dB	2500 Hz
RECOMMENDED CROSSOVER / 12 dB	2300 Hz
DISPERSION HORIZONTAL / 18 kHz / -6 dB	60°
DIAPHRAGM AREA	6464 mm²
MAGNET MATERIAL	NEODYMIUM
FACE PLATE	non

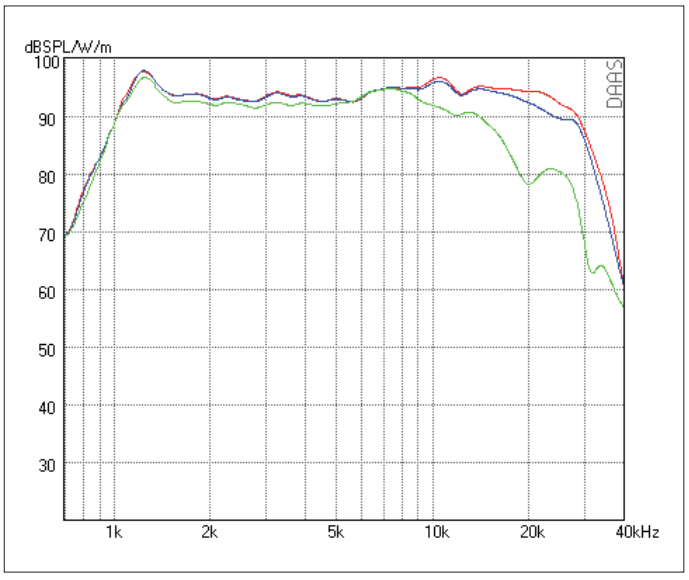




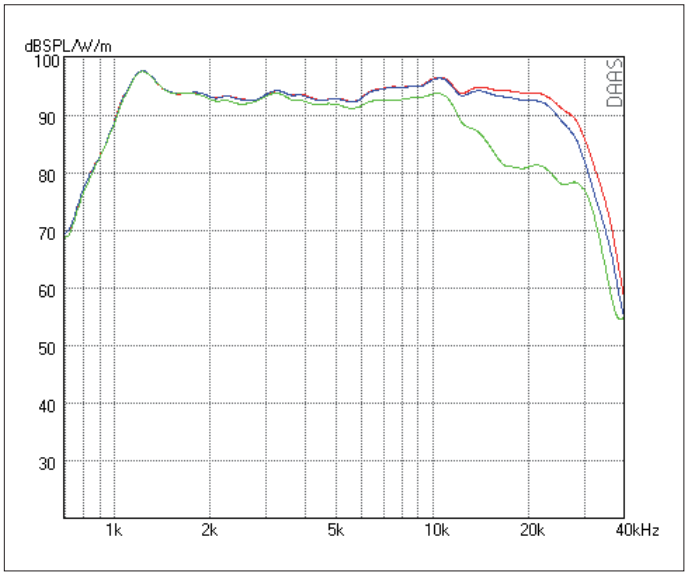
Impulse Response



Step Response



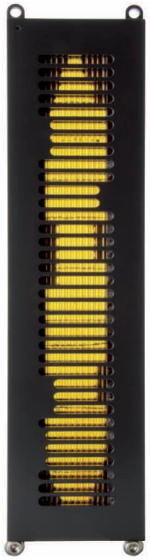
SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

Tweeter · Hochtöner
*hifi*AMT®27D1.1

Preis/Price 549 €

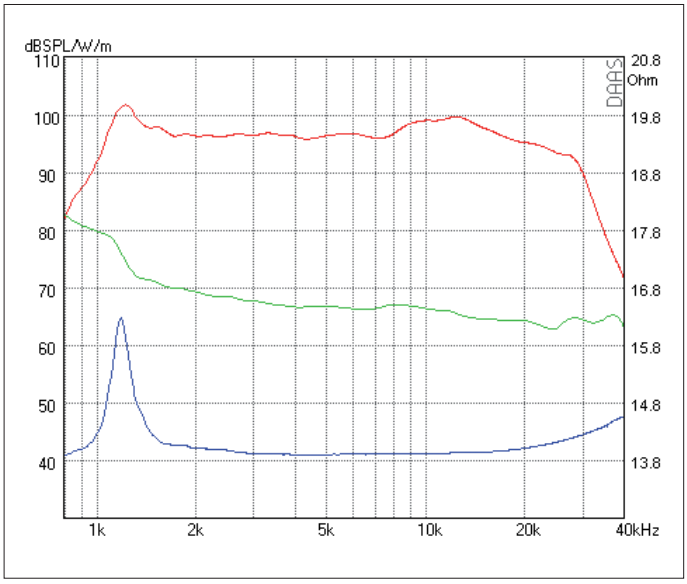


Dipol zur freien Aufstellung. Mit Resonanzlinearisierung ist eine Übernahmefrequenz von 1.8 kHz möglich. Die Parallelschaltung von drei AMT's übereinander ermöglicht den Aufbau eines Wohnzimmer- Line- Arrays.

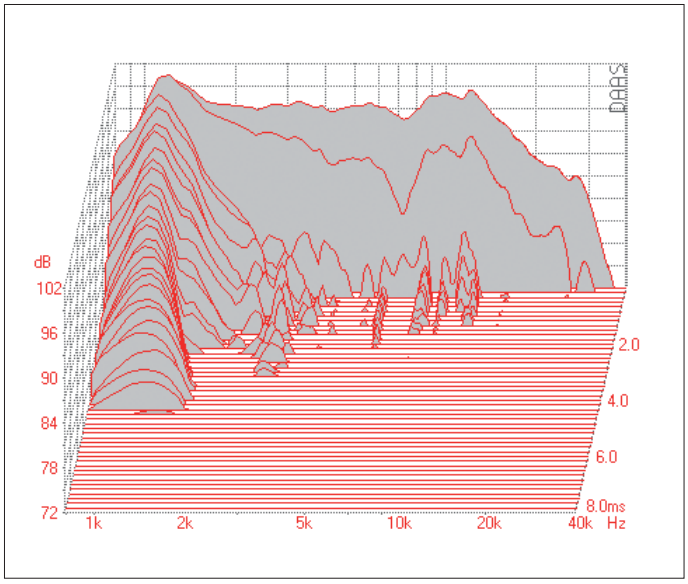
- Keine Schallwand notwendig
- Sehr linearer Frequenzgang • 14 Ohm, 97 dB
- Ausschwingverhalten optimiert auf Dipol- Einsatz

Free-standing Dipole. With a resonance linearization crossover frequency of 1.8 kHz is possible. The parallel connection of three AMT's one above the other allows the construction of a "living room line array".

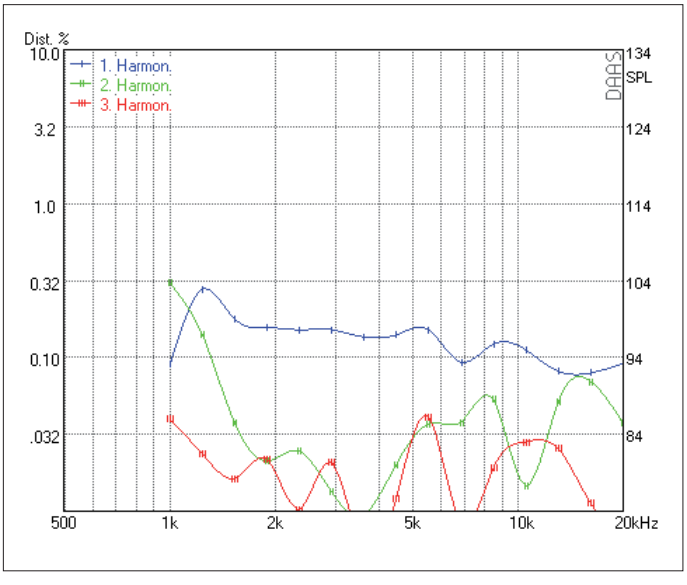
- No baffle required • Very flat frequency response
- 14 Ohm, 97 dB • Swing- out behaviour optimized for dipole use



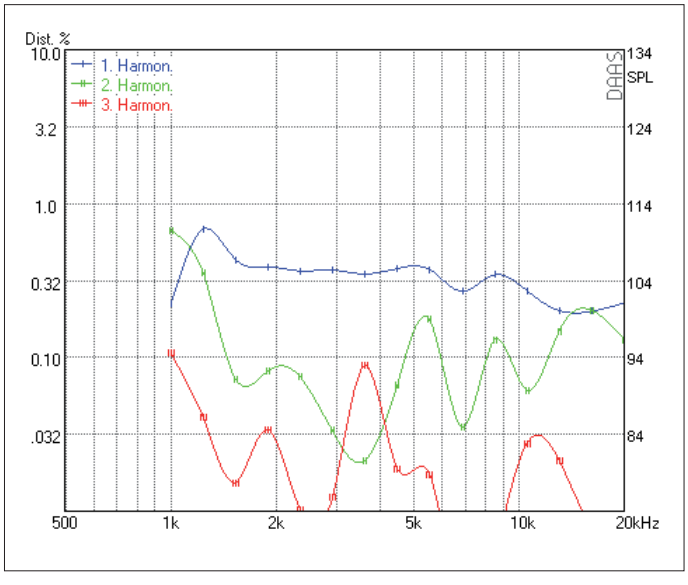
SPL 2.83 V - Phase - Impedance



Waterfall

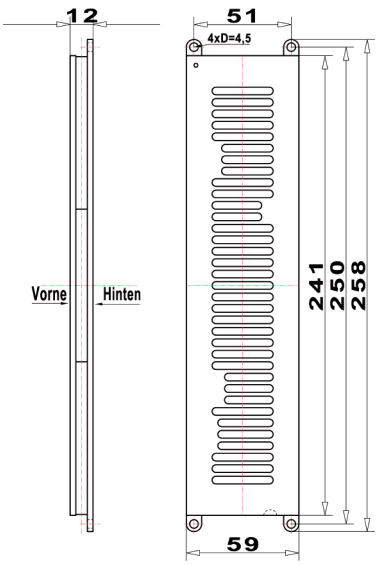


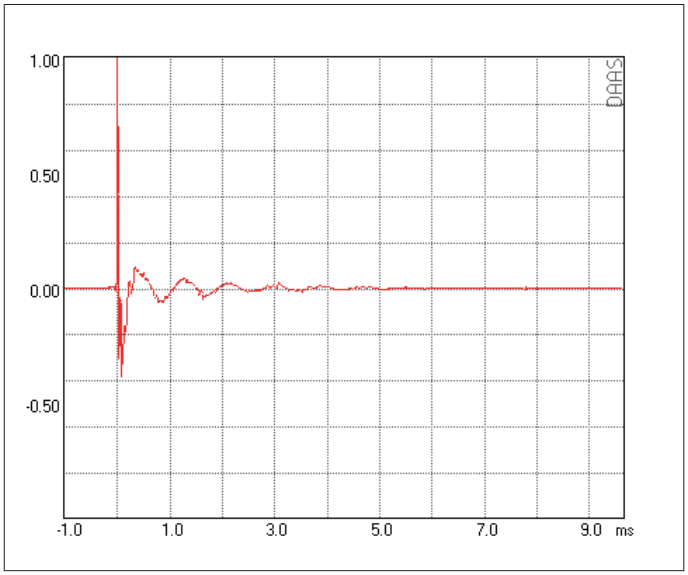
Harmonic Distortion 2.83 V



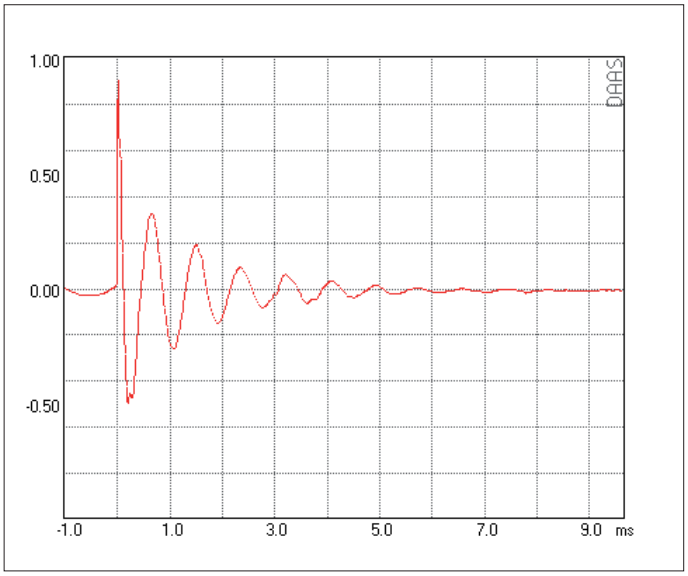
Harmonic Distortion 105 dB

RESISTANCE		NOMINAL 12 OHM
Zo 16.3 OHM	• Zmin 13.9 OHM •	RE 13.5 OHM
SENSITIVITY @ 2.83 V		97 dB
FREQUENCY RESPONSE / -6 dB		1000 Hz – 29 kHz
POWER HANDLING		190 W
RESONANCE FREQUENCY / FS		1150 Hz
RECOMMENDED CROSSOVER / 6 dB		2400 Hz
RECOMMENDED CROSSOVER / 12 dB		1800 Hz
DISPERSION HORIZONTAL / 15 kHz / -6 dB		55°
DIAPHRAGM AREA		8910 mm²
MAGNET MATERIAL		NEODYMIUM
FACE PLATE		non

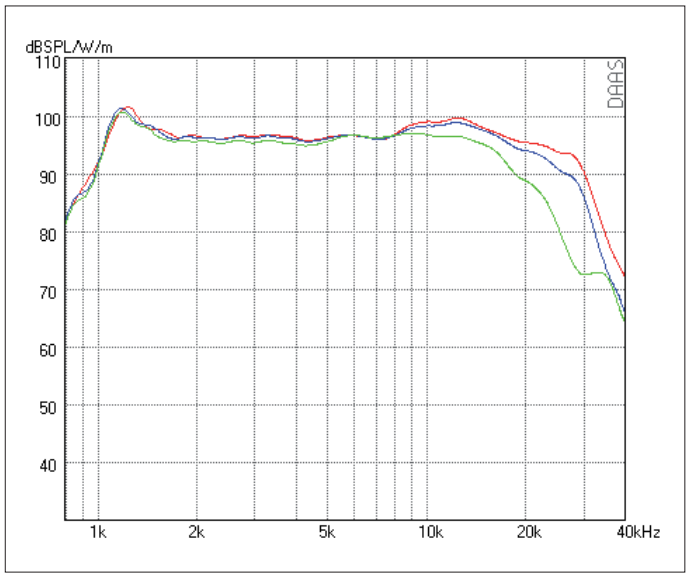




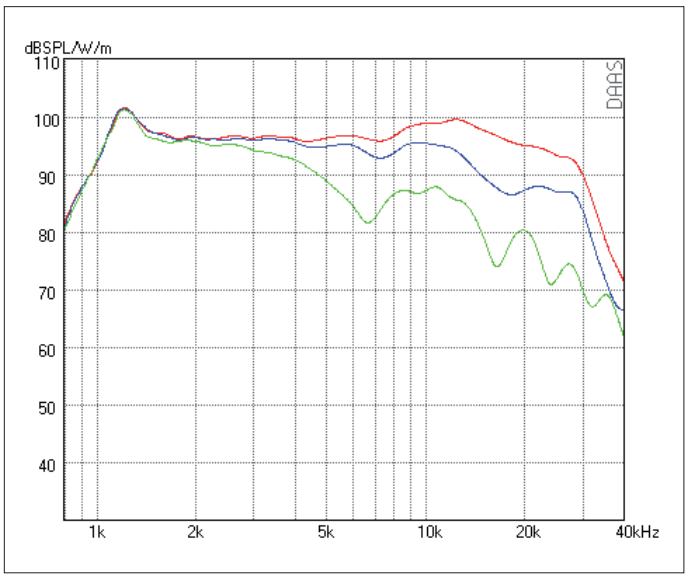
Impulse Response



Step Response



SPL HORIZONTAL 0° - 15° - 30°



SPL VERTIKAL 0° - 5° - 15°

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