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■ 製品紹介

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製品検索表

| Full Range – General Speakers – | | | | | | | | | |
|---------------------------------|---------|--------|---------|-----|----------|---------|--------|---------|-----|
| 製品品番 | サイズ(mm) | IMP(Ω) | 定格入力(W) | ページ | 製品品番 | サイズ(mm) | IMP(Ω) | 定格入力(W) | ページ |
| F02104D0 | 39 | 4 | 4 | 5 | F01205D0 | 50 | 4 | 2 | 5 |
| F02205H0 | 50 | 8 | 5 | 5 | F01405H0 | 50 | 8 | 5 | 5 |
| F03406H0 | 57 | 8 | 10 | 5 | F02506H0 | 57 | 8 | 10 | 5 |
| F00207H0 | 66 | 8 | 2 | 6 | F00407D0 | 66 | 4 | 4 | 6 |
| F01207H0 | 66 | 8 | 5 | 6 | F01607H0 | 66 | 8 | 5 | 6 |
| F02407H0 | 66 | 8 | 5 | 6 | F02907H0 | 66 | 8 | 10 | 6 |
| F03907H0 | 66 | 8 | 10 | 7 | F00408H0 | 77 | 8 | 5 | 7 |
| F01408H0 | 77 | 8 | 2 | 7 | F01908H0 | 77 | 8 | 10 | 7 |
| F02108H0 | 77 | 8 | 10 | 7 | F02208H0 | 77 | 8 | 5 | 7 |
| F02408H0 | 77 | 8 | 10 | 8 | F02608H0 | 77 | 8 | 10 | 8 |
| F05208H0 | 77 | 8 | 8 | 8 | F01109H0 | 90 | 8 | 15 | 8 |
| F00210D1 | 100 | 4 | 15 | 8 | F02410H0 | 100 | 8 | 30 | 8 |
| F02710H0 | 100 | 8 | 10 | 9 | F03310H0 | 100 | 8 | 15 | 9 |
| F03910H0 | 100 | 8 | 30 | 9 | F00212H1 | 120 | 8 | 3 | 9 |
| F00812C0 | 120 | 3 | 6 | 9 | F02712H0 | 120 | 8 | 40 | 9 |
| F00213D0 | 130 | 4 | 25 | 10 | C00513D0 | 130 | 4 | 20 | 10 |
| C00716D0 | 160 | 4 | 15 | 10 | F00116H1 | 160 | 8 | 20 | 10 |

| Full Range – Oval Speakers – | | | | | | | | | |
|------------------------------|-------------|--------|---------|-----|----------|---------|--------|---------|-----|
| 製品品番 | サイズ(mm) | IMP(Ω) | 定格入力(W) | ページ | 製品品番 | サイズ(mm) | IMP(Ω) | 定格入力(W) | ページ |
| F02607D0 | 70×40 | 4 | 5 | 11 | F02707H0 | 70×40 | 8 | 4 | 11 |
| M00207H0 | 70×30 | 8 | 8 | 11 | F00809D0 | 90×50 | 4 | 10 | 11 |
| F00110F0 | 100×30 | 6 | 3.5 | 11 | F01912D0 | 120×80 | 4 | 10 | 11 |
| F02112H0 | 120×50 | 8 | 10 | 12 | F01612H0 | 120×80 | 8 | 10 | 12 |
| F00115F0 | 120×80 | 6 | 10 | 12 | F02212H0 | 120×60 | 8 | 10 | 12 |
| F01309H0 | 140×100×100 | 8 | 10 | 12 | | | | | |

| Tweeters | | | | | | | | | |
|----------|---------|--------|---------|-----|----------|---------|--------|---------|-----|
| 製品品番 | サイズ(mm) | IMP(Ω) | 定格入力(W) | ページ | 製品品番 | サイズ(mm) | IMP(Ω) | 定格入力(W) | ページ |
| T00403D1 | 25 | 3.2 | 20 | 13 | T01303H1 | 25 | 8 | 20 | 13 |
| T01703F0 | 25 | 6 | 30 | 13 | F00805H0 | 50 | 8 | 8 | 13 |
| T00507H0 | 70×40 | 8 | 10 | 13 | T00112H1 | 77 | 8 | 20 | 13 |

| Woofers | | | | | | | | | |
|----------|---------|--------|---------|-----|----------|---------|--------|---------|-----|
| 製品品番 | サイズ(mm) | IMP(Ω) | 定格入力(W) | ページ | 製品品番 | サイズ(mm) | IMP(Ω) | 定格入力(W) | ページ |
| F03508H0 | 77 | 6 | 10 | 14 | F04510H0 | 100 | 8 | 20 | 14 |
| W00610H0 | 100 | 8 | 25 | 14 | W00712D1 | 120 | 4 | 40 | 14 |
| W01412H0 | 120 | 8 | 30 | 14 | W00816D1 | 160 | 4 | 40 | 14 |
| W00120D1 | 200 | 4 | 80 | 15 | W01120G1 | 200 | 7 | 100 | 15 |
| W00225D1 | 250 | 4 | 40 | 15 | W00230D1 | 300 | 4 | 40 | 15 |
| W00138H1 | 380 | 8 | 100 | 15 | | | | | |

| Micro Speakers | | | | | | | | | |
|----------------|---------|--------|---------|-----|----------|---------|--------|---------|-----|
| 製品品番 | サイズ(mm) | IMP(Ω) | 定格入力(W) | ページ | 製品品番 | サイズ(mm) | IMP(Ω) | 定格入力(W) | ページ |
| M00302H0 | 16 | 8 | 0.5 | 16 | M00202H0 | 20 | 8 | 0.5 | 16 |
| F01203H0 | 28 | 8 | 0.4 | 16 | M00204H0 | 40 | 8 | 0.5 | 16 |
| F02904H0 | 35×20 | 8 | 1 | 16 | F01204H0 | 40×28 | 8 | 2 | 16 |

| Speaker Systems | | | | | | | | | |
|-----------------|-----------------|--------|---------|-----|----------|------------------|--------|---------|-----|
| 製品品番 | ドライブユニット | IMP(Ω) | 定格入力(W) | ページ | 製品品番 | ドライブユニット | IMP(Ω) | 定格入力(W) | ページ |
| S00308D0 | 77mm Full Range | 4 | 10 | 17 | S00110D1 | 100mm Full Range | 4 | 40 | 17 |
| S00112D1 | 120mm Woofer | 4 | 40 | 17 | S00516D1 | Woofer + Tweeter | 4 | 40 | 17 |
| S00120D1 | 200mm Woofer | 4 | 80 | 17 | | | | | |

品番構成

F00105H0

製品品番

寸法図

外観

| 仕様 | SPECIFICATIONS | | EXTERNALS | | | |
|----------------------|----------------|-------|-----------|------------|-------|--------|
| | Size | 50 mm | 2inch | Cone | Paper | / |
| Rated Impedance | 4 ohm | | Surround | Paper | / | Black |
| Nominal Power | 2 W | | Gasket | Paper | / | Black |
| Maximum Power | 3 W | | Dust Cap | Cloth | / | Black |
| Resonant Frequency | 200 Hz | | Frame | SPC | / | Yellow |
| Frequency Range | fo ~20k | Hz | Terminal | Solder Lug | | |
| Sound Pressure Level | 82 dB | W/m | | | | |
| Voice Coil Diameter | 19 mm | | | | | |
| Magnet Mass | 7.6 g | 0.3oz | | | | |
| Total Mass | 35 g | | | | | |

周波数特性

■製品品番構成

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|

(8桁表記)

1 : 種類別(記号)・・・再生帯域と型から、表1の記号になります。

2・3・4 : 企画順・・・001からの連番となります。

5・6 : 口径・・・2桁のセンチ表示になります。例えば呼称口径57mmの場合は、6cmと省略され06となります。
又、楕円型の場合は長辺の寸法になります。

7 : インピーダンス(記号)・・・表2の記号になります。

8 : 詳細仕様違い・・・0からの連番となります。

表1

| 種類 | 記号 |
|---------------------------|----|
| 全帯域用 / Full range | F |
| 中音用 / Mid range | M |
| 高音用 / Tweeter | T |
| 低音用 / Woofer | W |
| 同軸型 / Coaxial | C |
| スピーカシステム / Speaker system | S |

表2

| IMP(Ω) | 記号 |
|--------|----|
| 4 | D |
| 6 | F |
| 8 | H |
| 12 | L |
| 16 | P |
| 32 | R |

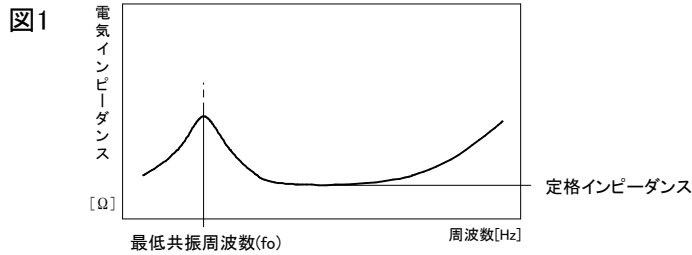
■取り扱いの注意

- ・スピーカー振動部分は、一般的に紙や布などの素材で構成されております。
誤って振動部分に触れますと、変形や故障を招く可能性が有ります。
 - ・スピーカーは定格入力値内でご使用ください。
定格入力を超えて長時間動作させた場合、機械的破損が生じ、正常に動作しなくなる場合が有ります。
 - ・錦糸線(リード線)の半田付け部位への半田付けは行わないようお願い致します。
錦糸線の緩みや外れによる異常音や断線の原因となりますため、半田時間は短時間でお願い致します。
- また、スピーカー取付方法などにつきましては事前に弊社へご相談をお願い致します。

カタログの内容について

■定格インピーダンス Rated Impedance

電気インピーダンス特性は一般的に図1のようになり、ボイスコイルの周波数による電気インピーダンスの変化を表すもので、最低共振周波数以上の周波数帯域で極小になる電気インピーダンスの値を定格インピーダンスとします。



■定格入力 Nominal Power

スピーカーを適正に動作させるために指定された入力で、次式で計算した電力をいいます。

$$P = \frac{V^2}{Z}$$

P: スピーカーの入力(W)
Z: スピーカーの定格インピーダンス(Ω)
V: ボイスコイルの端子における電圧(V)

定格入力を超えて長時間動作させた場合、ボイスコイルの熱的破壊や、振動板エッジ、ダンパーなどの疲労による機械的破壊が生じ、正常に動作しなくなる場合がありますので、ご注意ください。

■最大入力 Maximam Power

スピーカーに1分間プログラム信号を加え、2分おきに10回繰り返したときに許容される入力の最大値とします。

■最低共振周波数 (fo) Resonant Frequency (fo)

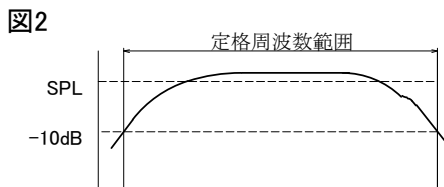
ボイスコイルの電気インピーダンス特性が最大となる周波数のうち最も低い周波数をいいます。

foは振動系の質量と、振動板のエッジ、ダンパーなどのサスペンションの柔らかさ(ステイフネス)による共振周波数で、スピーカーの低域再生を表現する重要な値です。

■定格周波数範囲 Frequency Range

スピーカーに対し製造業者が指定する、再生可能な周波数範囲をいいます。

例えば、高音用スピーカーにおいて、fo付近は周波数特性上定格周波数範囲であっても、歪の発生やその他の理由によって使用が好ましくない場合は、その帯域を除いて指定しています。又、スピーカーシステムについては、図2の定格周波数範囲として、出力音圧レベルから-10dBの範囲としています。



■出力音圧レベル Sound pressure level (SPL)

周波数特性上の、個別に定められた4点の周波数での音圧を平均した値で表しています。

■周波数特性 Frequency characteristics

周波数の変化に対する音圧レベルの変化を、グラフに表したものです。スピーカーユニットの場合、標準密閉箱(JISで規定された箱)に取付け、1Wの入力を加えた基準軸上1mの点においてのもので、測定は無響室で行います。

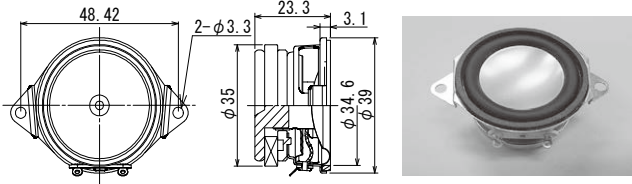
実際にセットに組み込んだ場合には、バッフル形状、取付け部の構造、グリルの開口面積や形状、キャビネット容積等の条件の違いで異なった特性になります。又、カタログ上の周波数特性も無響室の環境やJIS箱のバッフル形状の違いで、一概に他社様のデータとの比較にならない場合があります。

カタログに記載の仕様及び寸法などは予告なく変更になる場合があります。
ご検討の際は弊社にお問い合わせ頂き、製品仕様書をお求めの上
ご確認頂きます様お願い申し上げます。

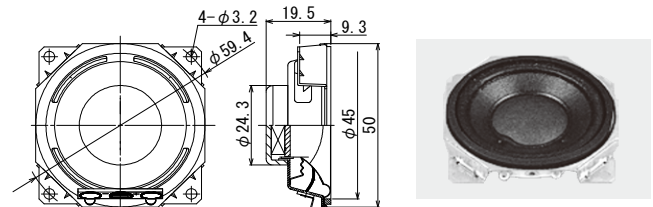
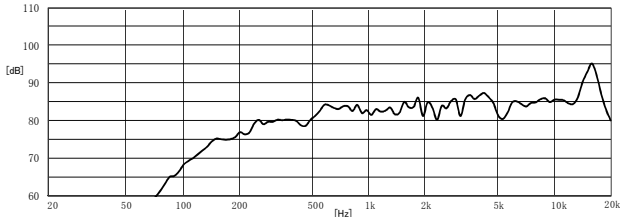
本カタログに記載されております製品は一例です。ご検討の内容に合った製品の選択や
最適な仕様でのオリジナル製品の開発依頼も受け賜りますのでお気軽にご相談下さい。

**Full Range - General Speakers -
F02105D0**

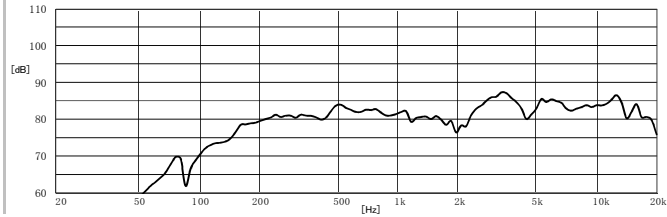
F02104D0



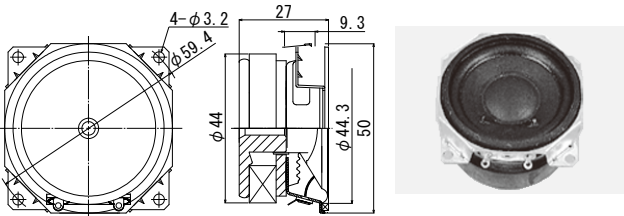
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|-------------------|
| Size | 39 mm 1.5inch | Cone | Aluminum / Silver |
| Rated Impedance | 4 ohm | Surround | PU / Black |
| Nominal Power | 4 W | Gasket | PAPER / Black |
| Maximum Power | 5 W | Terminal | Solder Lug |
| Resonant Frequency | 200 Hz | | |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 84 dB | | |
| Voice Coil Diameter | 16 mm | | |
| Magnet Mass | 21.5 g 0.75oz | | |
| Total Mass | 68 g | | |



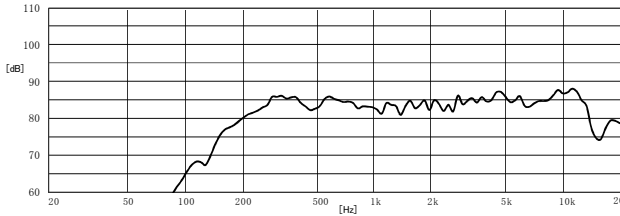
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------|-----------|---------------|
| Size | 50 mm 2inch | Cone | Paper / Black |
| Rated Impedance | 4 ohm | Surround | Cloth / Black |
| Nominal Power | 2 W | Gasket | Paper / Black |
| Maximum Power | 3 W | Dust Cap | Paper / Black |
| Resonant Frequency | 200 Hz | Terminal | Solder Lug |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 82 dB | | |
| Voice Coil Diameter | 19 mm | | |
| Magnet Mass | 7.6 g 0.27oz | | |
| Total Mass | 35 g | | |



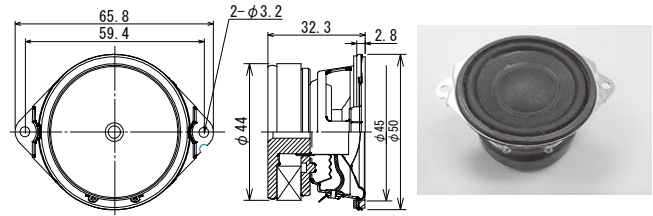
F02205H0



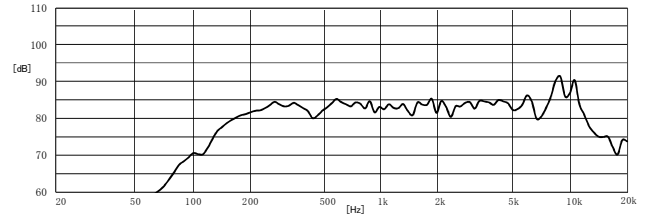
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|---------------|
| Size | 50 mm 2inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 5 W | Gasket | Paper / Black |
| Maximum Power | 7 W | Dust Cap | Paper / Black |
| Resonant Frequency | 300 Hz | Terminal | Solder Lug |
| Frequency Range | fo ~15k Hz | | |
| Sound Pressure Level | 84 dB | | |
| Voice Coil Diameter | 14 mm | | |
| Magnet Mass | 47.4 g 1.67oz | | |
| Total Mass | 133 g | | |



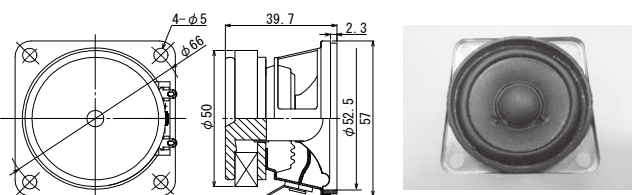
F01405H0



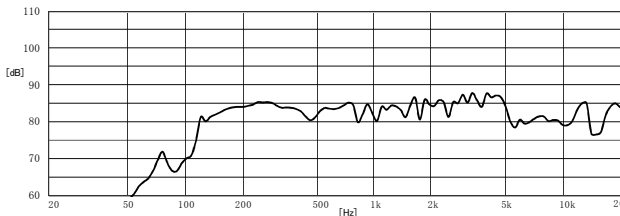
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|---------------|
| Size | 50 mm 2inch | Cone | Paper / Paper |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 5 W | Gasket | Paper / Black |
| Maximum Power | 7 W | Dust Cap | Paper / Black |
| Resonant Frequency | 210 Hz | Terminal | Solder Lug |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 83 dB | | |
| Voice Coil Diameter | 14 mm | | |
| Magnet Mass | 44.7 g 1.58oz | | |
| Total Mass | 128 g | | |



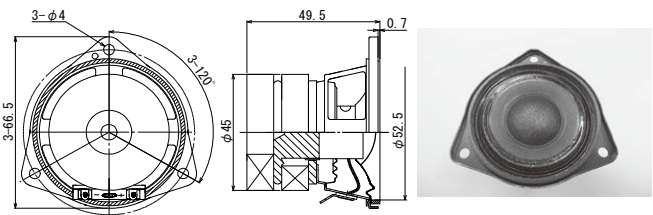
F03406H0



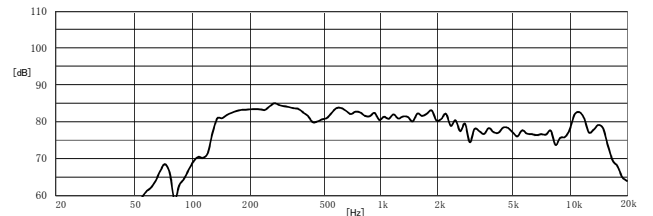
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|----------------|-----------|---------------|
| Size | 57 mm 2.25inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 10 W | Gasket | Paper / Black |
| Maximum Power | 12 W | Dust Cap | Paper / Black |
| Resonant Frequency | 180 Hz | Terminal | 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 83 dB | | |
| Voice Coil Diameter | 16 mm | | |
| Magnet Mass | 57.7 g 2.04oz | | |
| Total Mass | 172 g | | |



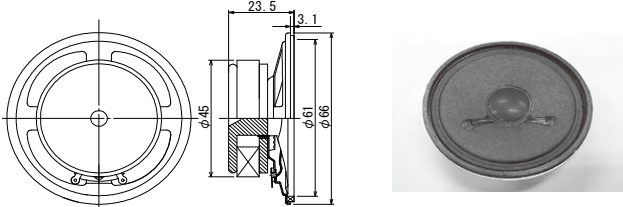
F02506H0



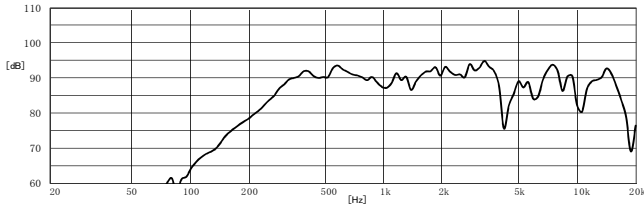
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|----------------|-----------|---------------|
| Size | 57 mm 2.25inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 10 W | Gasket | Paper / Black |
| Maximum Power | 12 W | Dust Cap | Cloth / Black |
| Resonant Frequency | 190 Hz | Terminal | 110 series |
| Frequency Range | fo ~15k Hz | | |
| Sound Pressure Level | 82 dB | | |
| Voice Coil Diameter | 20 mm | | |
| Magnet Mass | 51.9 g 1.83oz | | |
| Total Mass | 220 g | | |



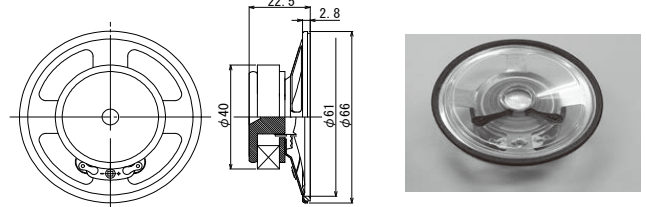
F00207H0



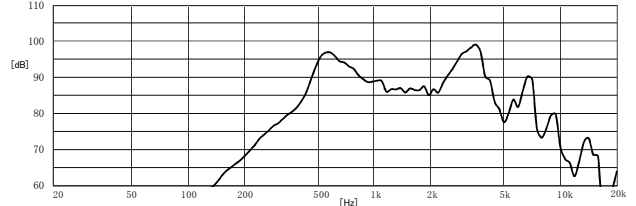
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|---------------|
| Size | 66 mm 2.6inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Paper / Black |
| Nominal Power | 2 W | Gasket | Paper / Black |
| Maximum Power | 4 W | Dust Cap | PET / Black |
| Resonant Frequency | 400 Hz | Terminal | Solder Lug |
| Frequency Range | fo ~15k Hz | | |
| Sound Pressure Level | 89 dB | | |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 47.6 g 1.68oz | | |
| Total Mass | 125 g | | |



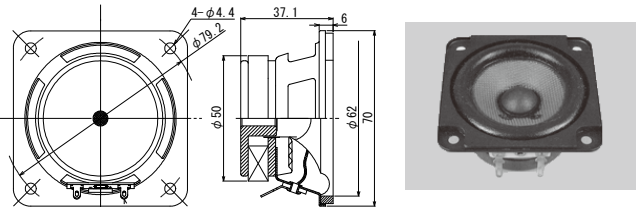
F00407D0



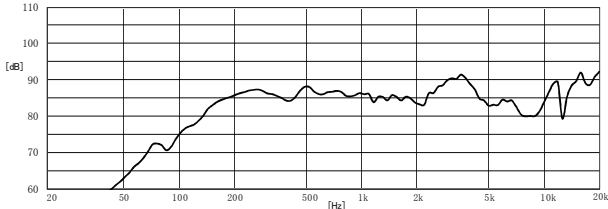
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|---------------|
| Size | 66 mm 2.6inch | Cone | PET / Clear |
| Rated Impedance | 4 ohm | Surround | PET / Clear |
| Nominal Power | 4 W | Gasket | Paper / Black |
| Maximum Power | 5 W | Dust Cap | PET / Clear |
| Resonant Frequency | 580 Hz | Terminal | Solder Lug |
| Frequency Range | fo ~7k Hz | | |
| Sound Pressure Level | 87 dB | | |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 34.3 g 1.21oz | | |
| Total Mass | 95 g | | |



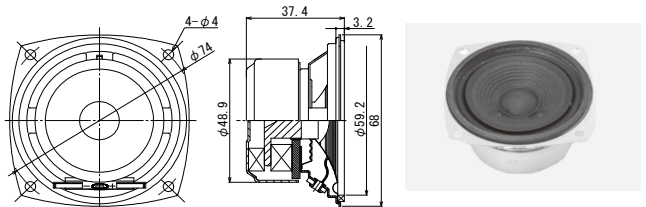
F01207H0



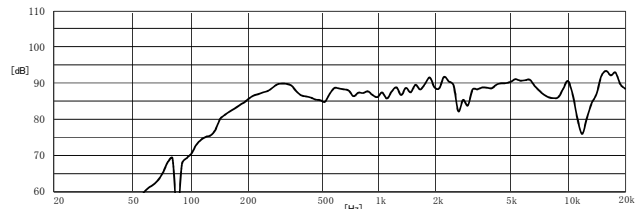
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|----------------|
| Size | 66 mm 2.6inch | Cone | Paper / Purple |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 5 W | Gasket | Paper / Black |
| Maximum Power | 7 W | Dust Cap | Paper / Black |
| Resonant Frequency | 180 Hz | Terminal | 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 87 dB | | |
| Voice Coil Diameter | 14 mm | | |
| Magnet Mass | 62 g 2.19oz | | |
| Total Mass | 178 g | | |



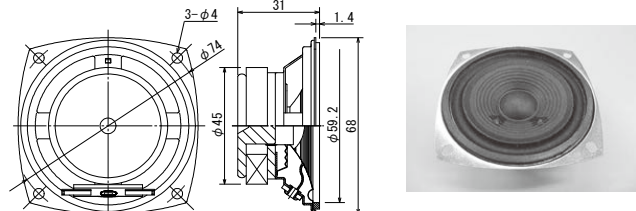
F01607H0



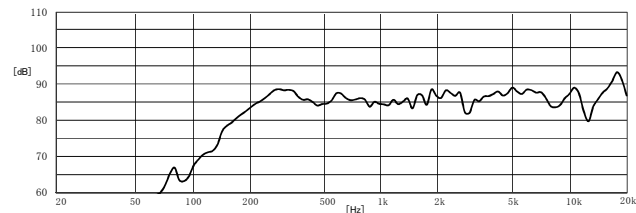
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|---------------|
| Size | 66 mm 2.6inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 5 W | Gasket | Paper / Black |
| Maximum Power | 7 W | Dust Cap | Paper / Black |
| Resonant Frequency | 250 Hz | Terminal | Solder Lug |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 87 dB | | |
| Voice Coil Diameter | 14 mm | | |
| Magnet Mass | 38.1 g 1.34oz | | |
| Total Mass | 176 g | | |



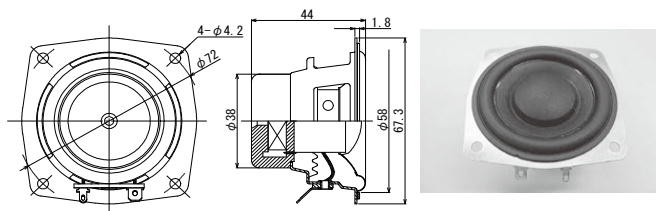
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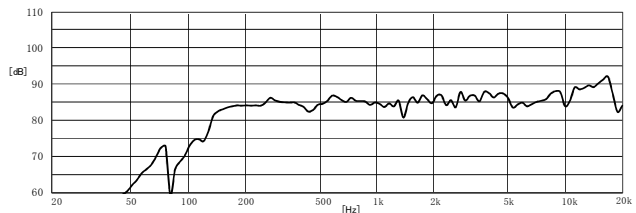
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|---------------|
| Size | 66 mm 2.6inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 5 W | Gasket | Paper / Black |
| Maximum Power | 7 W | Dust Cap | Paper / Black |
| Resonant Frequency | 250 Hz | Terminal | Solder Lug |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 87 dB | | |
| Voice Coil Diameter | 14 mm | | |
| Magnet Mass | 47.4 g 1.67oz | | |
| Total Mass | 140 g | | |



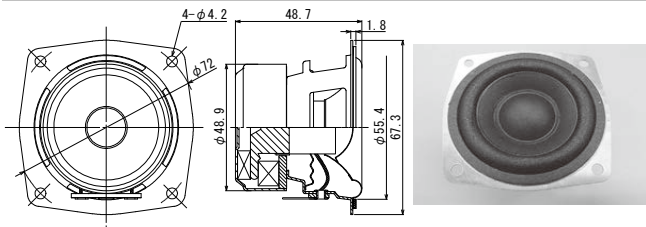
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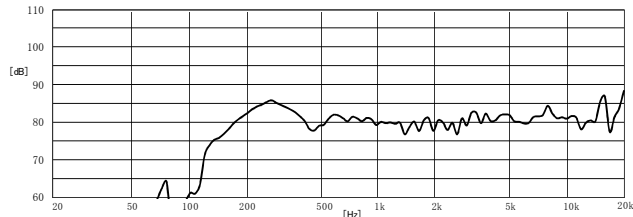
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|----------------------|---------------|-----------|--------------------|
| Size | 66 mm 2.6inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Rubber / Black |
| Nominal Power | 10 W | Dust Cap | Paper / Black |
| Maximum Power | 12 W | Terminal | + 205 - 110 series |
| Resonant Frequency | 170 Hz | | |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 85 dB | | |
| Voice Coil Diameter | 25 mm | | |
| Magnet Mass | 22.8 g 0.80oz | | |
| Total Mass | 160 g | | |



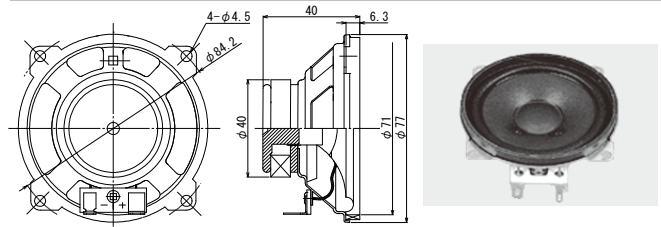
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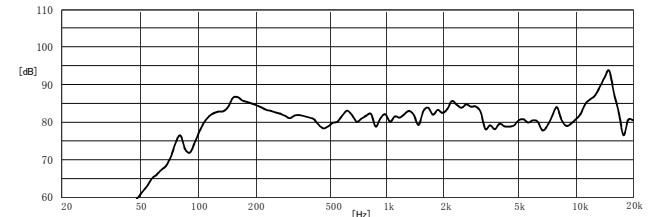
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|----------------------|---------------|-----------|---------------|
| Size | 66 mm 2.6inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 10 W | Dust Cap | Paper / Black |
| Maximum Power | 12 W | Terminal | 110 series |
| Resonant Frequency | 220 Hz | | |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 81 dB | | |
| Voice Coil Diameter | 20 mm | | |
| Magnet Mass | 41.5 g 1.46oz | | |
| Total Mass | 200 g | | |



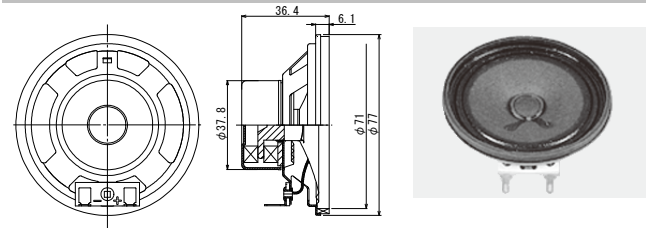
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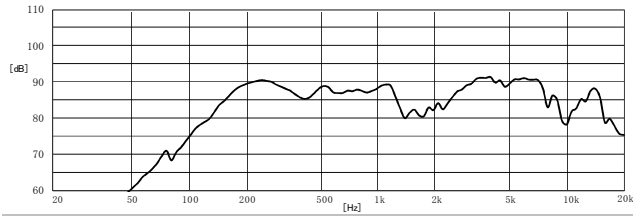
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|--------------------|
| Size | 77 mm 3inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 5 W | Gasket | Paper / Black |
| Maximum Power | 7.5 W | Dust Cap | Paper / Black |
| Resonant Frequency | 145 Hz | Terminal | + 205 - 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 81 dB | | |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 34.3 g 1.21oz | | |
| Total Mass | 120 g | | |



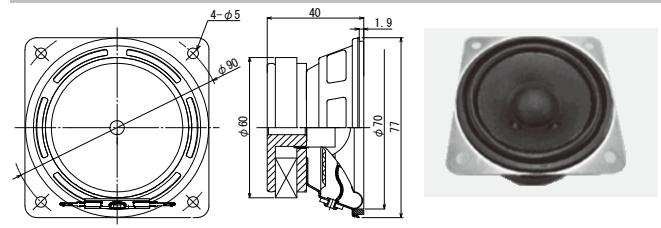
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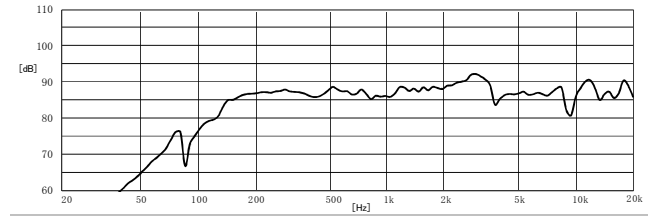
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|----------------------|---------------|-----------|---------------|
| Size | 77 mm 3inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Paper / Black |
| Nominal Power | 2 W | Gasket | Paper / Black |
| Maximum Power | 3 W | Dust Cap | Paper / Black |
| Resonant Frequency | 200 Hz | Terminal | 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 88 dB | | |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 16.2 g 0.57oz | | |
| Total Mass | 108 g | | |



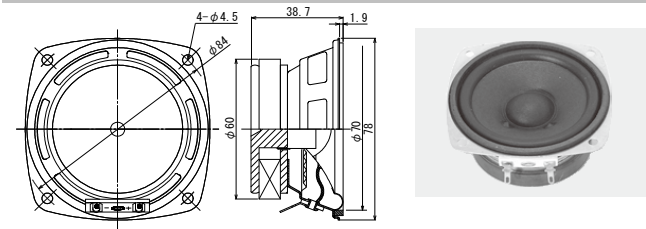
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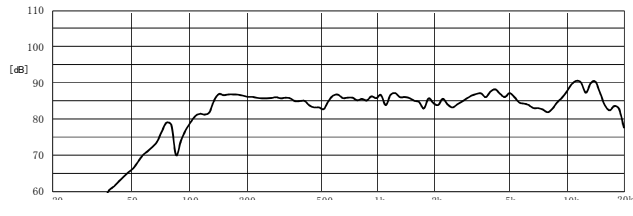
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|----------------|-----------|---------------|
| Size | 77 mm 3inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 10 W | Gasket | Paper / Black |
| Maximum Power | 15 W | Dust Cap | Paper / Black |
| Resonant Frequency | 170 Hz | Terminal | 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 87 dB | | |
| Voice Coil Diameter | 16 mm | | |
| Magnet Mass | 101.2 g 3.57oz | | |
| Total Mass | 280 g | | |



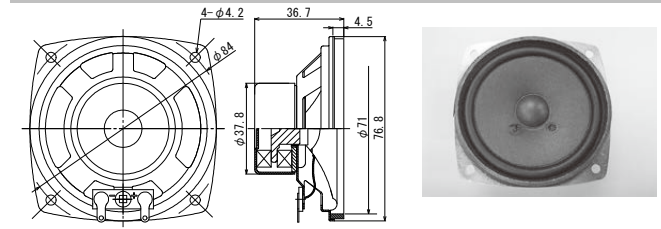
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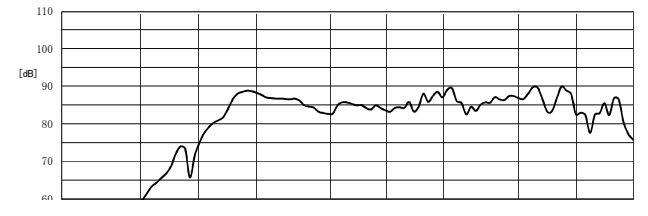
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|----------------|-----------|----------------|
| Size | 77 mm 3inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Rubber / Black |
| Nominal Power | 10 W | Gasket | Paper / Black |
| Maximum Power | 15 W | Dust Cap | Paper / Black |
| Resonant Frequency | 130 Hz | Terminal | 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 85 dB | | |
| Voice Coil Diameter | 16 mm | | |
| Magnet Mass | 101.2 g 3.57oz | | |
| Total Mass | 260 g | | |



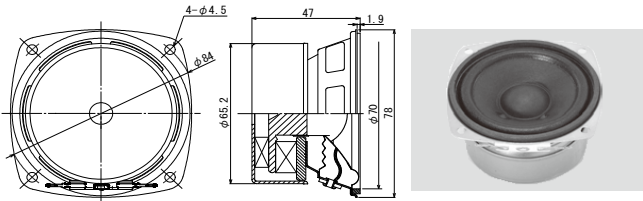
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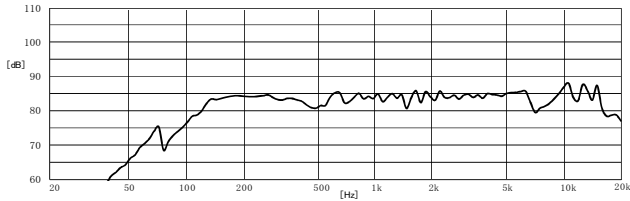
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|---------------|
| Size | 77 mm 3inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 5 W | Gasket | Paper / Black |
| Maximum Power | 7.5 W | Dust Cap | PEI / Black |
| Resonant Frequency | 180 Hz | Terminal | Solder Lug |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 84 dB | | |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 16.2 g 0.57oz | | |
| Total Mass | 112 g | | |



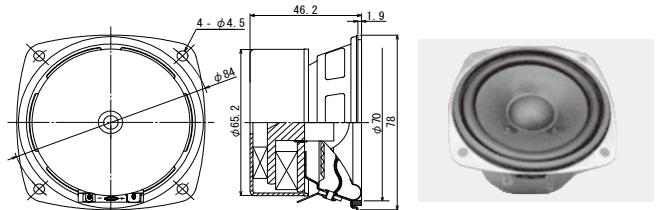
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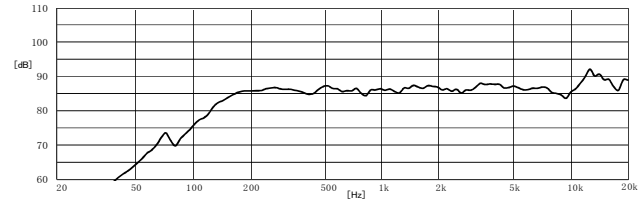
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|---------------|
| Size | 77 mm 3inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 10 W | Gasket | Paper / Black |
| Maximum Power | 15 W | Dust Cap | Paper / Black |
| Resonant Frequency | 130 Hz | Terminal | 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 83 dB | | |
| Voice Coil Diameter | 20 mm | | |
| Magnet Mass | 81.3 g 2.87oz | | |
| Total Mass | 380 g | | |



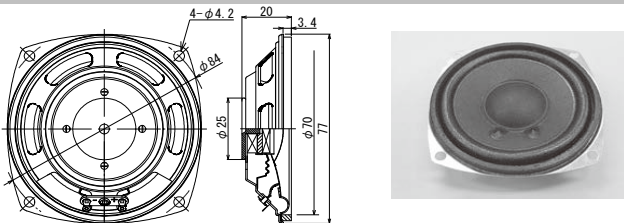
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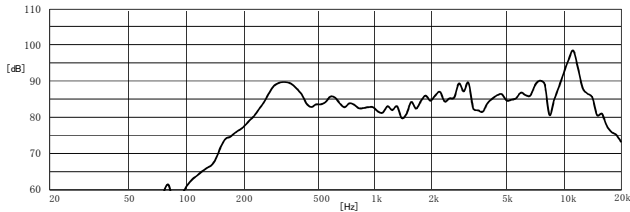
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|----------------|-----------|--------------------|
| Size | 77 mm 3inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Rubber / Black |
| Nominal Power | 10 W | Gasket | Paper / Black |
| Maximum Power | 15 W | Dust Cap | Paper / Black |
| Resonant Frequency | 120 Hz | Terminal | + 205 - 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 86 dB | | |
| Voice Coil Diameter | 16 mm | | |
| Magnet Mass | 101.2 g 3.57oz | | |
| Total Mass | 385 g | | |



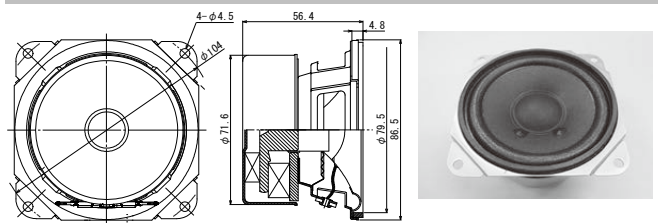
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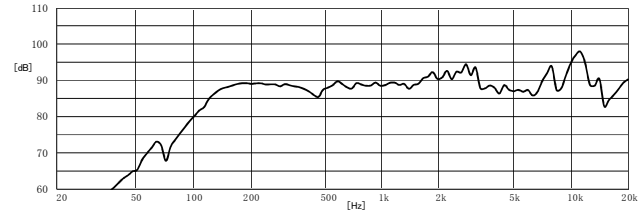
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------|-----------|---------------|
| Size | 77 mm 3inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 8 W | Gasket | Paper / Black |
| Maximum Power | 12 W | Dust Cap | Paper / Black |
| Resonant Frequency | 300 Hz | Terminal | Solder Lug |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 83 dB | | |
| Voice Coil Diameter | 20 mm | | |
| Magnet Mass | 8.1 g 0.29oz | | |
| Total Mass | 60 g | | |



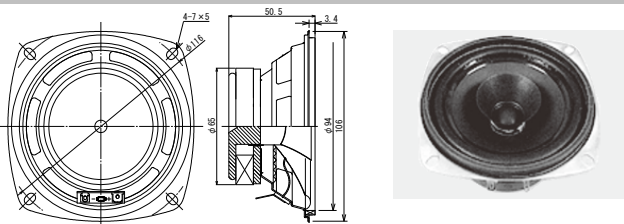
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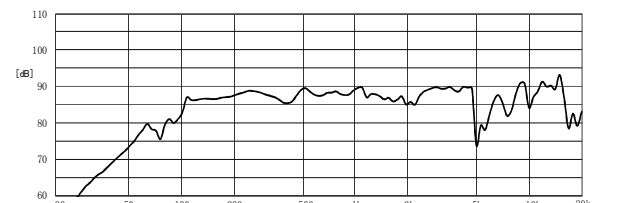
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|----------------------|----------------|-----------|---------------|
| Size | 90 mm 3.5inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 15 W | Gasket | Paper / Black |
| Maximum Power | 20 W | Dust Cap | Paper / Black |
| Resonant Frequency | 160 Hz | Terminal | 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 88 dB | | |
| Voice Coil Diameter | 20 mm | | |
| Magnet Mass | 123.1 g 4.34oz | | |
| Total Mass | 530 g | | |



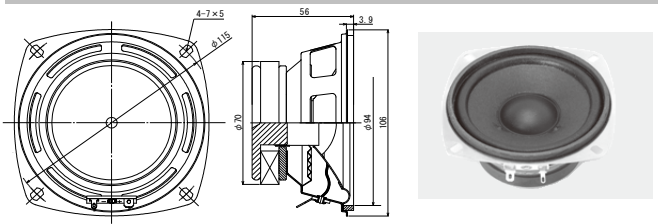
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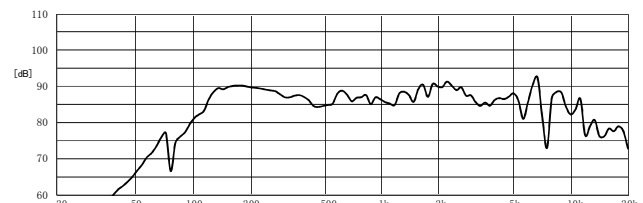
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|----------------|-----------|--------------------|
| Size | 100 mm 4inch | Cone | Paper / Black |
| Rated Impedance | 4 ohm | Surround | Cloth / Black |
| Nominal Power | 15 W | Gasket | Paper / Black |
| Maximum Power | 30 W | Dust Cap | Paper / Black |
| Resonant Frequency | 110 Hz | Terminal | + 205 - 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 86 dB | | |
| Voice Coil Diameter | 20 mm | | |
| Magnet Mass | 123.5 g 4.36oz | | |
| Total Mass | 375 g | | |



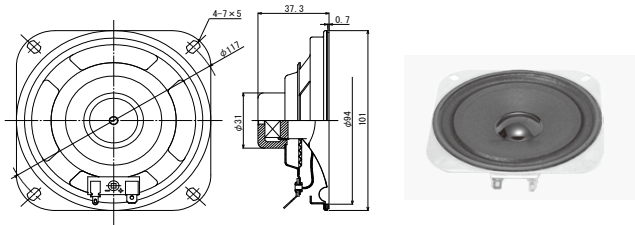
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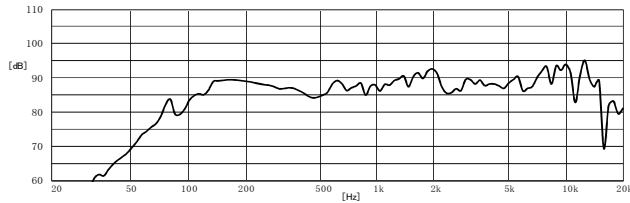
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|----------------------|--------------|-----------|--------------------|
| Size | 100 mm 4inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 30 W | Gasket | Paper / Black |
| Maximum Power | 40 W | Dust Cap | Cloth / Black |
| Resonant Frequency | 135 Hz | Terminal | + 205 - 110 series |
| Frequency Range | fo ~10k Hz | | |
| Sound Pressure Level | 87 dB | | |
| Voice Coil Diameter | 25 mm | | |
| Magnet Mass | 149 g 5.26oz | | |
| Total Mass | 456 g | | |



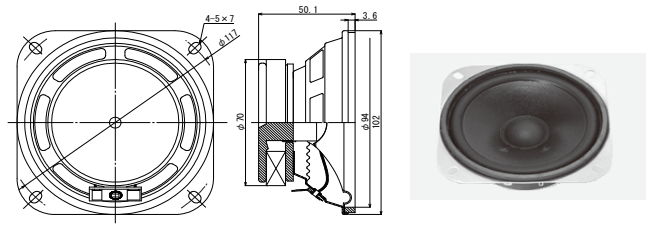
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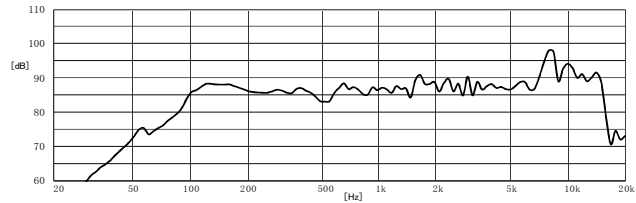
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|----------------------|--------------|-----------|--------------------|
| Size | 100 mm 4inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 10 W | Gasket | Paper / Black |
| Maximum Power | 15 W | Dust Cap | PET / Black |
| Resonant Frequency | 110 Hz | Terminal | + 205 - 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 87 dB | | |
| Voice Coil Diameter | 20 mm | | |
| Magnet Mass | 17 g 0.6oz | | |
| Total Mass | 130 g | | |



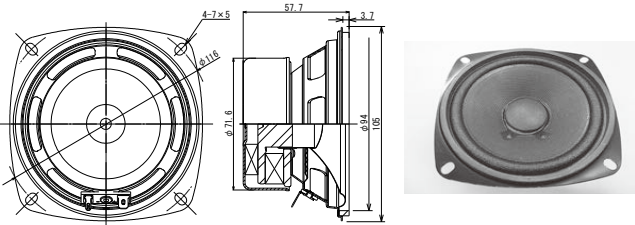
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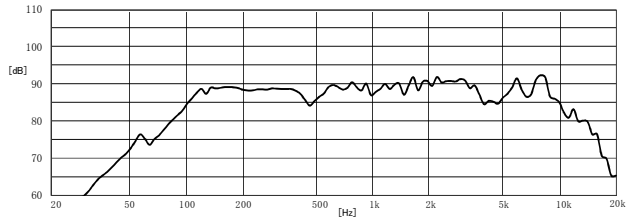
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|----------------------|----------------|-----------|--------------------|
| Size | 100 mm 4inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Rubber / Black |
| Nominal Power | 15 W | Gasket | Paper / Black |
| Maximum Power | 20 W | Dust Cap | Paper / Black |
| Resonant Frequency | 100 Hz | Terminal | + 205 - 110 series |
| Frequency Range | fo ~16k Hz | | |
| Sound Pressure Level | 86 dB | | |
| Voice Coil Diameter | 20 mm | | |
| Magnet Mass | 149.1 g 5.26oz | | |
| Total Mass | 440 g | | |



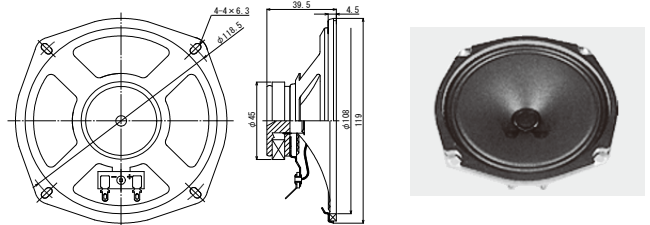
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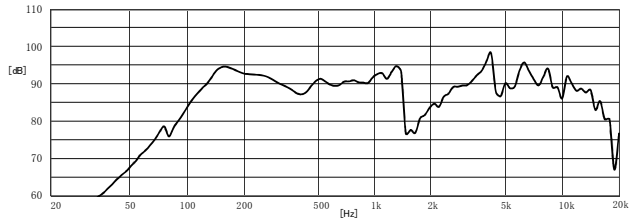
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|----------------------|----------------|-----------|--------------------|
| Size | 100 mm 4inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 30 W | Gasket | Paper / Black |
| Maximum Power | 45 W | Dust Cap | Paper / Black |
| Resonant Frequency | 120 Hz | Terminal | + 205 - 110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 88 dB | | |
| Voice Coil Diameter | 25 mm | | |
| Magnet Mass | 123.1 g 0.57oz | | |
| Total Mass | 551 g | | |



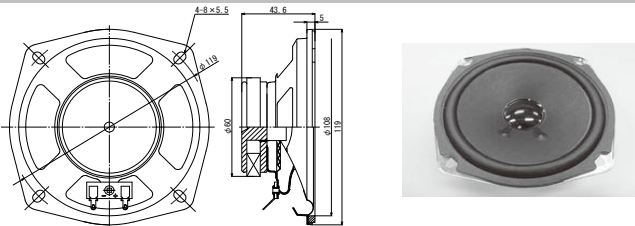
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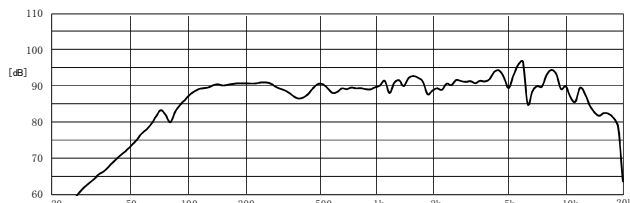
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|---------------|
| Size | 120 mm 5inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Paper / Black |
| Nominal Power | 3 W | Gasket | Paper / Black |
| Maximum Power | 5 W | Dust Cap | Cloth / Black |
| Resonant Frequency | 160 Hz | Terminal | 110 series |
| Frequency Range | fo ~1.5k Hz | | |
| Sound Pressure Level | 90 dB | | |
| Voice Coil Diameter | 14 mm | | |
| Magnet Mass | 41.5 g 1.46oz | | |
| Total Mass | 160 g | | |



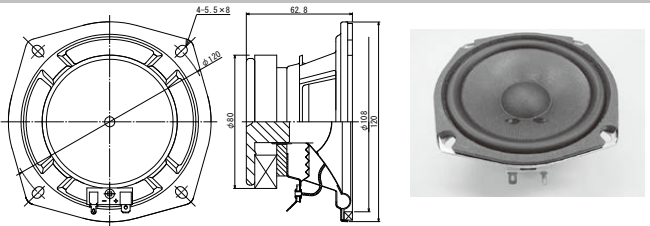
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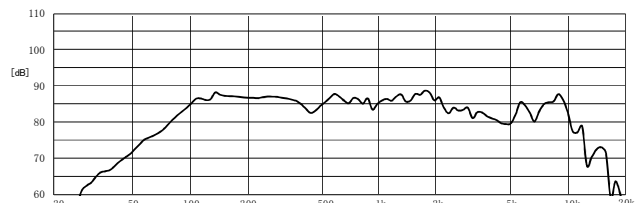
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|--------------------|
| Size | 120 mm 5inch | Cone | Paper / Black |
| Rated Impedance | 3 ohm | Surround | Cloth / Black |
| Nominal Power | 6 W | Gasket | Paper / Black |
| Maximum Power | 10 W | Dust Cap | PET / Black |
| Resonant Frequency | 120 Hz | Terminal | + 205 - 110 series |
| Frequency Range | fo ~15k Hz | | |
| Sound Pressure Level | 89 dB | | |
| Voice Coil Diameter | 16 mm | | |
| Magnet Mass | 79.5 g 2.80oz | | |
| Total Mass | 290 g | | |



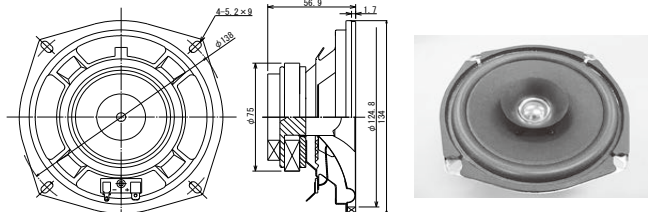
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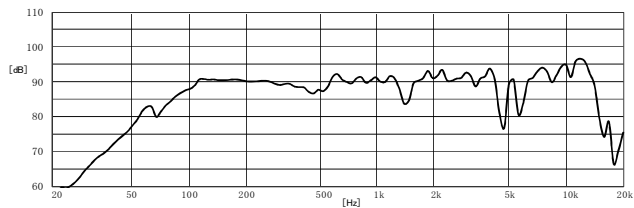
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------|-----------|--------------------|
| Size | 120 mm 5inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Rubber / Black |
| Nominal Power | 40 W | Gasket | Paper / Black |
| Maximum Power | 50 W | Dust Cap | Paper / Black |
| Resonant Frequency | 90 Hz | Terminal | + 205 - 110 series |
| Frequency Range | fo ~10k Hz | | |
| Sound Pressure Level | 85 dB | | |
| Voice Coil Diameter | 16 mm | | |
| Magnet Mass | 240 g 8.47oz | | |
| Total Mass | 683 g | | |



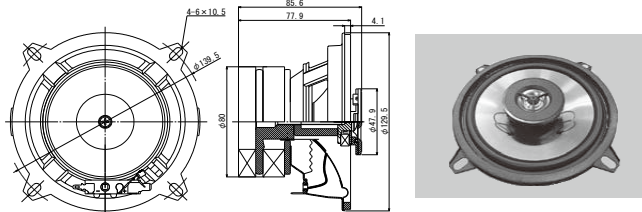
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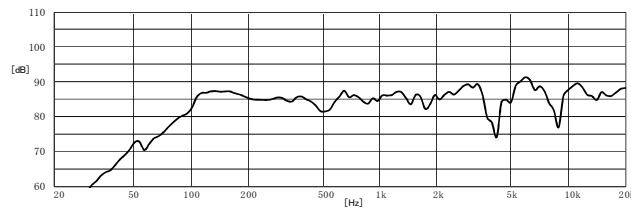
| SPECIFICATIONS | | EXTERNALS | | |
|----------------------|-----------------|-----------|--------------------|--------|
| Size | 130 mm 5.25inch | Cone | Paper | Black |
| Rated Impedance | 4 ohm | Sub cone | Paper | Black |
| Nominal Power | 25 W | Surround | Urethane | Gray |
| Maximum Power | 50 W | Gasket | Paper | Black |
| Resonant Frequency | 90 Hz | Dust Cap | PET | Silver |
| Frequency Range | fo ~20k Hz | Terminal | + 205 - 110 series | |
| Sound Pressure Level | 90 dB | | | |
| Voice Coil Diameter | 25 mm | | | |
| Magnet Mass | 177 g 6.24oz | | | |
| Total Mass | 580 g | | | |



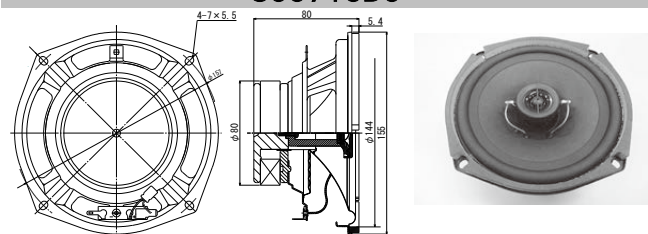
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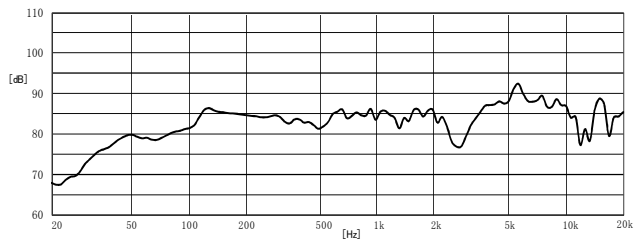
| SPECIFICATIONS | | EXTERNALS | | |
|----------------------|-----------------|-----------|--------------------|-------|
| Size | 130 mm 5.25inch | Cone | PP | White |
| Rated Impedance | 4 ohm | Surround | Rubber | Black |
| Nominal Power | 20 W | Gasket | Paper | Black |
| Maximum Power | 40 W | Tweeter | Ti Balanced Type | |
| Resonant Frequency | 100 Hz | Terminal | + 205 - 110 series | |
| Frequency Range | fo ~20k Hz | | | |
| Sound Pressure Level | 85 dB | | | |
| Voice Coil Diameter | 25 mm | | | |
| Magnet Mass | 276.9 g 9.77oz | | | |
| Total Mass | 1,000 g | | | |



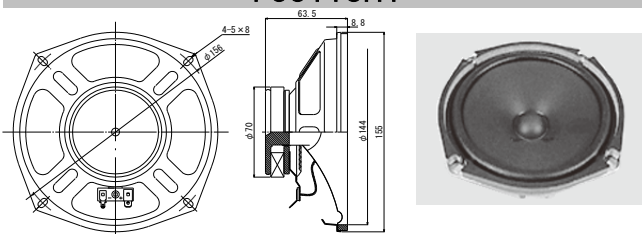
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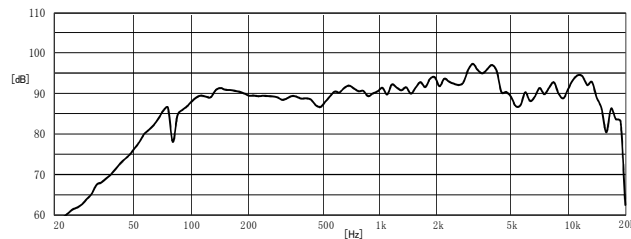
| SPECIFICATIONS | | EXTERNALS | | |
|----------------------|----------------|-----------|--------------------|-------|
| Size | 160 mm 6.5inch | Cone | Paper | Black |
| Rated Impedance | 4 ohm | Surround | Rubber | Black |
| Nominal Power | 15 W | Gasket | Paper | Black |
| Maximum Power | 25 W | Tweeter | Ti Balanced Type | |
| Resonant Frequency | 40 Hz | Terminal | + 205 - 110 series | |
| Frequency Range | fo ~20k Hz | | | |
| Sound Pressure Level | 85 dB | | | |
| Voice Coil Diameter | 25 mm | | | |
| Magnet Mass | 276.9 g 9.77oz | | | |
| Total Mass | 900 g | | | |



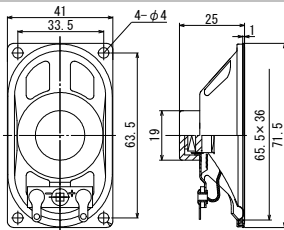
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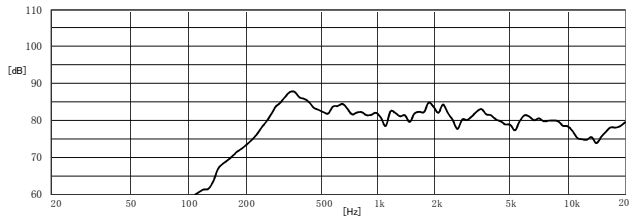
| SPECIFICATIONS | | EXTERNALS | | |
|----------------------|----------------|-----------|--------------------|-------|
| Size | 160 mm 6.5inch | Cone | Paper | Black |
| Rated Impedance | 8 ohm | Surround | Cloth | Black |
| Nominal Power | 20 W | Gasket | Paper | Black |
| Maximum Power | 40 W | Dust Cap | Paper | Black |
| Resonant Frequency | 95 Hz | Terminal | + 205 - 110 series | |
| Frequency Range | fo ~15k Hz | | | |
| Sound Pressure Level | 90 dB | | | |
| Voice Coil Diameter | 20 mm | | | |
| Magnet Mass | 154 g 5.43oz | | | |
| Total Mass | 480 g | | | |



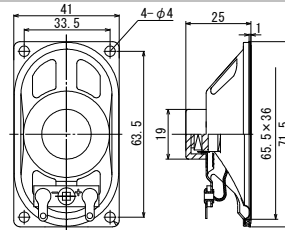
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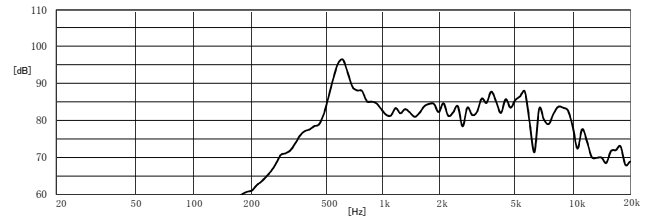
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------------------|-----------|---------------|
| Size | 70 × 40 mm 2.75 × 1.6inch | Cone | Paper / Black |
| Rated Impedance | 4 ohm | Surround | Cloth / Black |
| Rated Noise Power | 5 W | Gasket | Paper / Black |
| Maximum Power | 10 W | Dust Cap | Paper / Black |
| Resonant Frequency | 360 Hz | Terminal | Solder Lug |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 84 dB | | |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 2.5 g 0.09oz | | |
| Total Mass | 34 g | | |



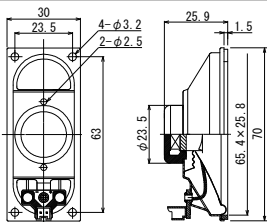
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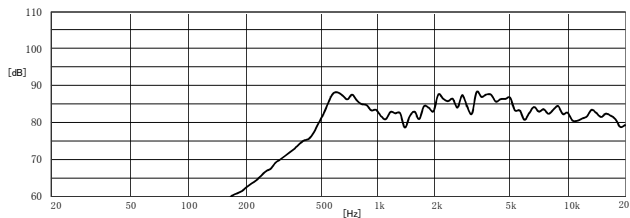
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------------------|-----------|---------------|
| Size | 70 × 40 mm 2.75 × 1.6inch | Cone | PET / Clear |
| Rated Impedance | 8 ohm | Surround | PET / Clear |
| Rated Noise Power | 4 W | Gasket | Paper / Black |
| Maximum Power | 5 W | Dust Cap | PET / Clear |
| Resonant Frequency | 600 Hz | Terminal | Solder Lug |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 82 dB | | |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 2.5 g 0.09oz | | |
| Total Mass | 35 g | | |



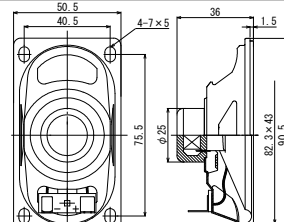
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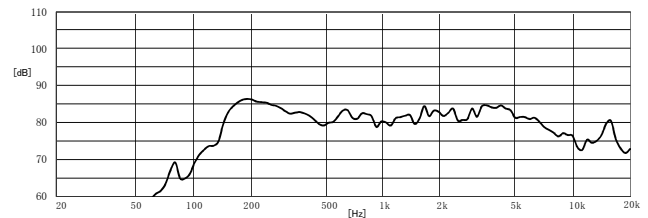
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------------------|-----------|---------------|
| Size | 70 × 30 mm 2.75 × 1.2inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 8 W | Gasket | Paper / Black |
| Maximum Power | 10 W | Dust Cap | Paper / Black |
| Resonant Frequency | 500 Hz | Terminal | Connector |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 83 dB | | |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 3.4 g 0.12oz | | |
| Total Mass | 42 g | | |



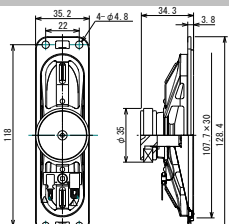
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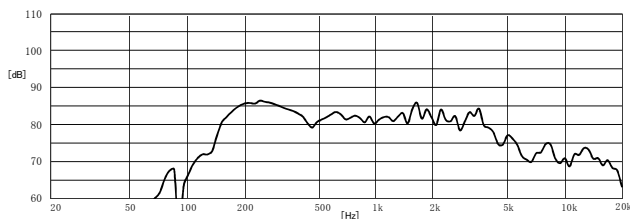
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|------------------------|-----------|------------------|
| Size | 90 × 50 mm 3.5 × 2inch | Cone | Paper / Black |
| Rated Impedance | 4 ohm | Surround | Cloth / Black |
| Nominal Power | 10 W | Gasket | Paper / Black |
| Maximum Power | 15 W | Dust Cap | Paper / Black |
| Resonant Frequency | 220 Hz | Terminal | +205 -110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 82 dB | | |
| Voice Coil Diameter | 14 mm | | |
| Magnet Mass | 8 g 0.28oz | | |
| Total Mass | 73 g | | |



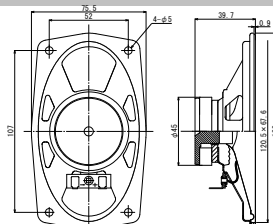
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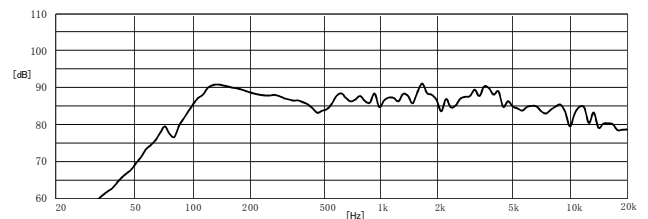
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|-------------------------|-----------|------------------|
| Size | 100 × 30 mm 4 × 1.2inch | Cone | Paper / Black |
| Rated Impedance | 6 ohm | Surround | Cloth / Black |
| Rated Noise Power | 3.5 W | Gasket | Paper / Black |
| Maximum Power | 5.5 W | Dust Cap | Paper / Black |
| Resonant Frequency | 200 Hz | Terminal | +205 -110 series |
| Frequency Range | fo ~5k Hz | | |
| Sound Pressure Level | 81 dB | | |
| Voice Coil Diameter | 14 mm | | |
| Magnet Mass | 20.8 g 0.73oz | | |
| Total Mass | 82 g | | |



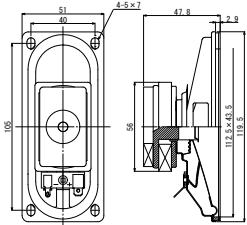
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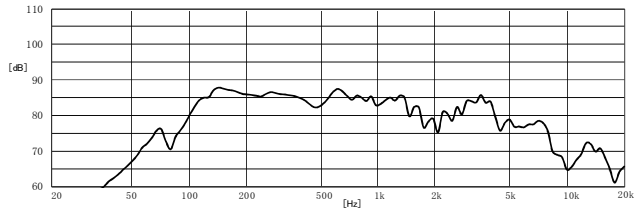
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|-----------------------|-----------|------------------|
| Size | 120 × 80 mm 5 × 3inch | Cone | Paper / Black |
| Rated Impedance | 4 ohm | Surround | Cloth / Black |
| Rated Noise Power | 10 W | Gasket | Paper / Black |
| Maximum Power | 12 W | Dust Cap | Paper / Black |
| Resonant Frequency | 130 Hz | Terminal | +205 -110 series |
| Frequency Range | fo ~20k Hz | | |
| Sound Pressure Level | 86 dB | | |
| Voice Coil Diameter | 16 mm | | |
| Magnet Mass | 47.4 g 1.67oz | | |
| Total Mass | 200 g | | |



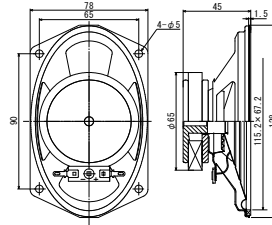
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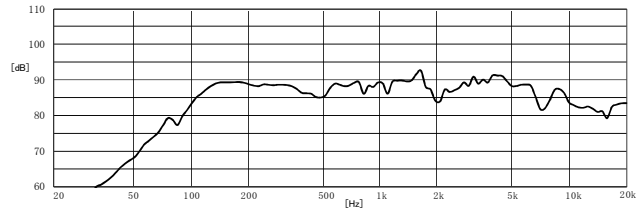
| SPECIFICATIONS | | | EXTERNALS | | |
|----------------------|-------------|-----------|-----------|-------------------|---------|
| Size | 120 × 50 mm | 5 × 2inch | Cone | Paper | / Black |
| Rated Impedance | 8 ohm | | Surround | Rubeer | / Black |
| Nominal Power | 10 W | | Gasket | Paper | / Black |
| Maximum Power | 12 W | | Dust Cap | Paper | / Black |
| Resonant Frequency | 140 Hz | | Terminal | +205 - 110 series | |
| Frequency Range | fo ~8.5k Hz | | | | |
| Sound Pressure Level | 85 dB | | | | |
| Voice Coil Diameter | 16 mm | | | | |
| Magnet Mass | 30.5 g | 1.08oz | | | |
| Total Mass | 250 g | | | | |



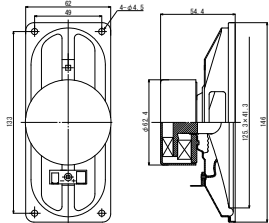
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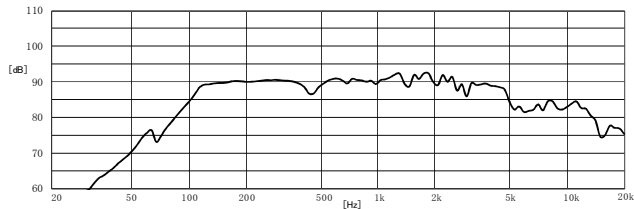
| SPECIFICATIONS | | | EXTERNALS | | |
|----------------------|-------------|-----------|-----------|------------|---------|
| Size | 120 × 80 mm | 5 × 3inch | Cone | Paper | / Black |
| Rated Impedance | 8 ohm | | Surround | Cloth | / Black |
| Nominal Power | 10 W | | Gasket | Paper | / Black |
| Maximum Power | 15 W | | Dust Cap | Paper | / Black |
| Resonant Frequency | 135 Hz | | Terminal | 110 series | |
| Frequency Range | fo ~20k Hz | | | | |
| Sound Pressure Level | 87 dB | | | | |
| Voice Coil Diameter | 16 mm | | | | |
| Magnet Mass | 122.9 g | 4.34oz | | | |
| Total Mass | 323 g | | | | |



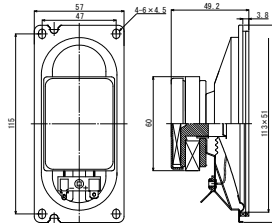
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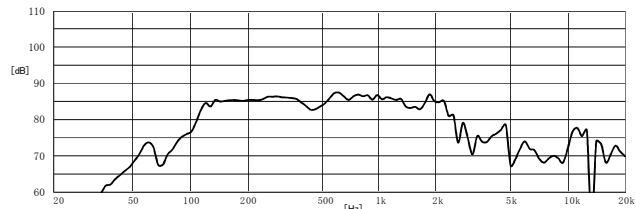
| SPECIFICATIONS | | | EXTERNALS | | |
|----------------------|-------------|-----------|-----------|-------------------|---------|
| Size | 150 × 60 mm | 6 × 2inch | Cone | Paper | / Black |
| Rated Impedance | 6 ohm | | Surround | Cloth | / Black |
| Nominal Power | 15 W | | Dust Cap | Paper | / Black |
| Maximum Power | 20 W | | Terminal | +205 - 110 series | |
| Resonant Frequency | 130 Hz | | | | |
| Frequency Range | fo ~20k Hz | | | | |
| Sound Pressure Level | 90 dB | | | | |
| Voice Coil Diameter | 16 mm | | | | |
| Magnet Mass | 90.4 g | 3.19oz | | | |
| Total Mass | 420 g | | | | |



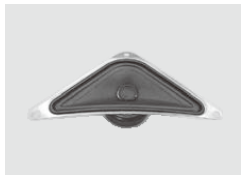
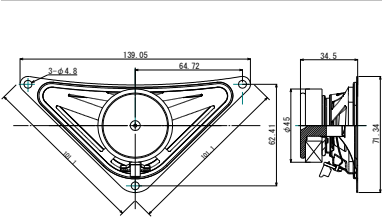
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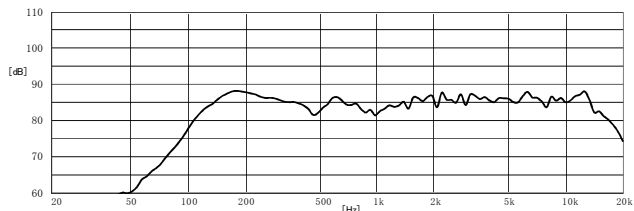
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|----------------------|-------------|-------------|-----------|-------------------|---------|
| Size | 120 × 60 mm | 5 × 2.4inch | Cone | Paper | / Black |
| Rated Impedance | 8 ohm | | Surround | Rubeer | / Black |
| Rated Noise Power | 10 W | | Gasket | Paper | / Black |
| Maximum Power | 12 W | | Dust Cap | Paper | / Black |
| Resonant Frequency | 120 Hz | | Terminal | +205 - 110 series | |
| Frequency Range | fo ~10k Hz | | | | |
| Sound Pressure Level | 85 dB | | | | |
| Voice Coil Diameter | 16 mm | | | | |
| Magnet Mass | 112.3 g | 3.96oz | | | |
| Total Mass | 350 g | | | | |



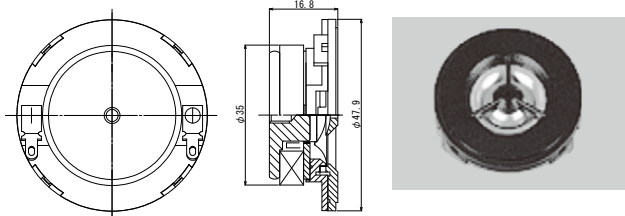
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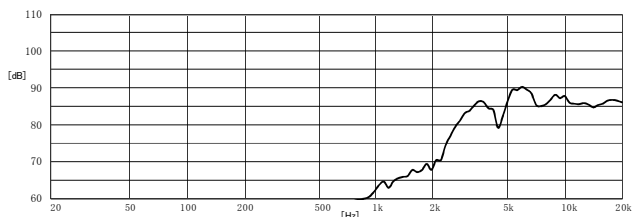
| SPECIFICATIONS | | | EXTERNALS | | |
|----------------------|-------------------|--------|-----------|-----------|---------|
| Size | 140 × 100 × 100mm | | Cone | Paper | / Black |
| Rated Impedance | 8 ohm | | Surround | Rubber | / Black |
| Rated Noise Power | 10 W | | Gasket | Rubber | / Black |
| Maximum Power | 15 W | | Dust Cap | Paper | / Black |
| Resonant Frequency | 170 Hz | | Terminal | Connector | |
| Frequency Range | fo ~20k Hz | | | | |
| Sound Pressure Level | 87 dB | | | | |
| Voice Coil Diameter | 16 mm | | | | |
| Magnet Mass | 77.5 g | 2.74oz | | | |
| Total Mass | 194 g | | | | |



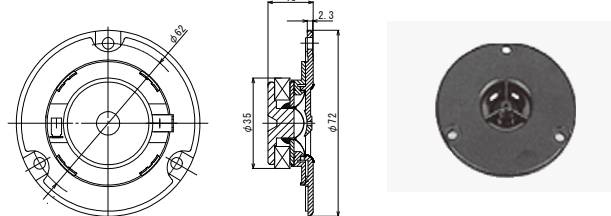
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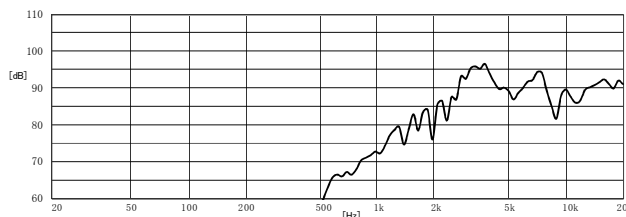
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------------------------|------------|-------------|
| Size | 25 mm 1inch | Face Plate | ABS / Black |
| Rated Impedance | 3.2 ohm | Diaphragm | Ti / Silver |
| Nominal Power | 20 W <small>w./NETWORK</small> | Base | ABS / Black |
| Frequency Range | 5k ~20k Hz | Terminal | 110 series |
| Sound Pressure Level | 87 dB | | |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 20.8 g 0.73oz | | |
| Total Mass | 58 g | | |



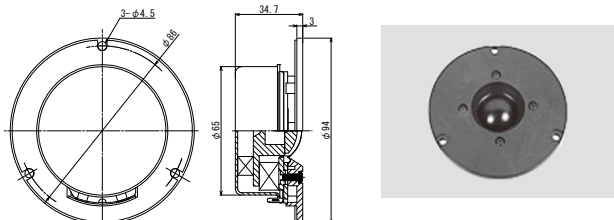
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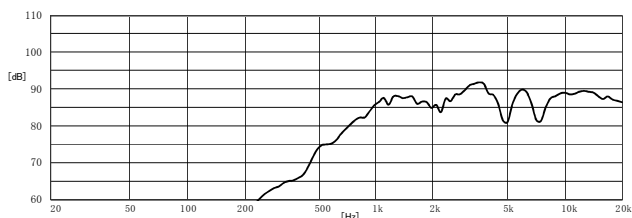
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------------------------|------------|-------------------|
| Size | 25 mm 1inch | Face Plate | ABS / Black |
| Rated Impedance | 8 ohm | Diaphragm | PEI / Black |
| Nominal Power | 20 W <small>w./NETWORK</small> | Base | ABS / Black |
| Frequency Range | 3k ~20k Hz | Terminal | +205 - 110 series |
| Sound Pressure Level | 88 dB | | |
| Voice Coil Diameter | 11 mm | | |
| Magnet Mass | 20.8 g 0.73oz | | |
| Total Mass | 65 g | | |



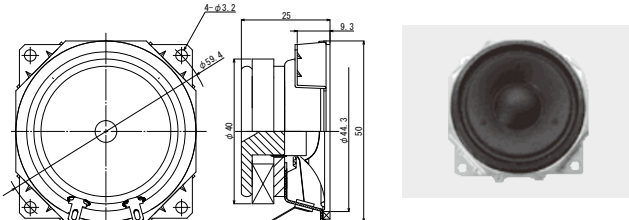
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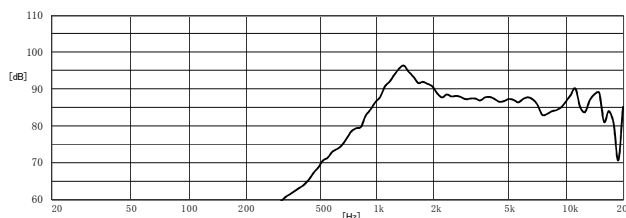
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------------------------|------------|-----------------|
| Size | 25 mm 1inch | Face Plate | ABS / Black |
| Rated Impedance | 6 ohm | Diaphragm | Tetoron / Black |
| Nominal Power | 30 W <small>w./NETWORK</small> | Terminal | 205 series |
| Frequency Range | 2k ~20k Hz | | |
| Sound Pressure Level | 89 dB | | |
| Voice Coil Diameter | 25 mm | | |
| Magnet Mass | 99.1 g 3.5oz | | |
| Total Mass | 405 g | | |



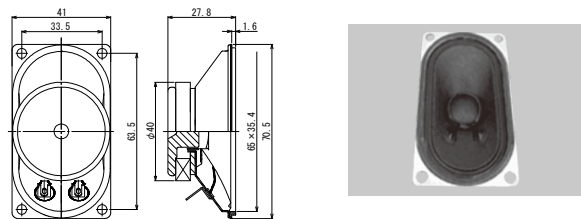
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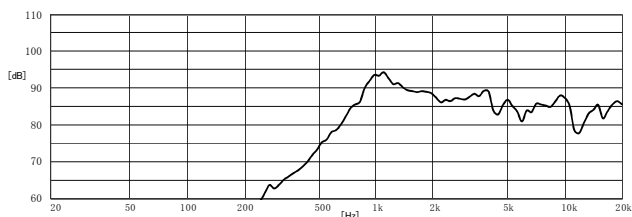
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|-------------------------------|-----------|---------------|
| Size | 50 mm 2inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Paper / Black |
| Nominal Power | 8 W <small>w./NETWORK</small> | Gasket | Paper / Black |
| Frequency Range | 2k ~20k Hz | Dust Cap | Paper / Black |
| Sound Pressure Level | 87 dB | Terminal | 110 series |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 25.8 g 0.91oz | | |
| Total Mass | 100 g | | |



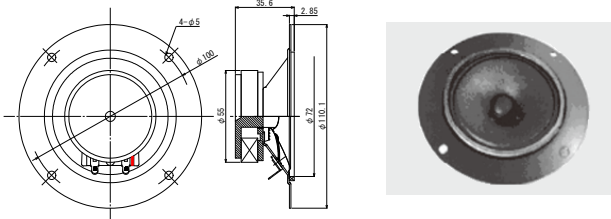
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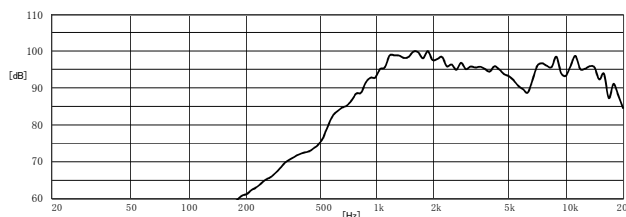
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------------------------|-----------|---------------|
| Size | 70 × 40 mm 2.75 × 1.6inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Paper / Black |
| Nominal Power | 10 W <small>w./NETWORK</small> | Gasket | Paper / Black |
| Frequency Range | 1k ~20k Hz | Dust Cap | Paper / Black |
| Sound Pressure Level | 86 dB | Terminal | 110 series |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 25.8 g 0.91oz | | |
| Total Mass | 92 g | | |



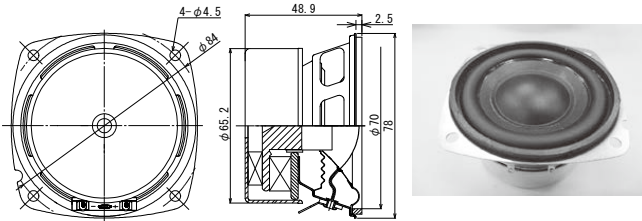
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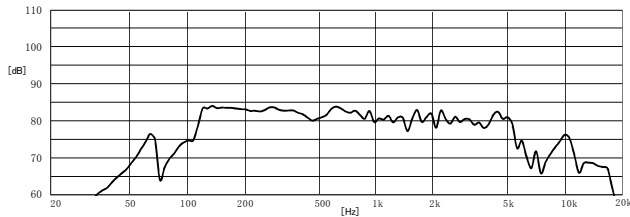
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------------------------|-----------|---------------|
| Size | 77 mm 3inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Paper / Black |
| Nominal Power | 20 W <small>w./NETWORK</small> | Gasket | Paper / Black |
| Frequency Range | 2k ~20k Hz | Dust Cap | Paper / Black |
| Sound Pressure Level | 94 dB | Terminal | 110 series |
| Voice Coil Diameter | 13 mm | | |
| Magnet Mass | 90.4 g 3.19oz | | |
| Total Mass | 273 g | | |



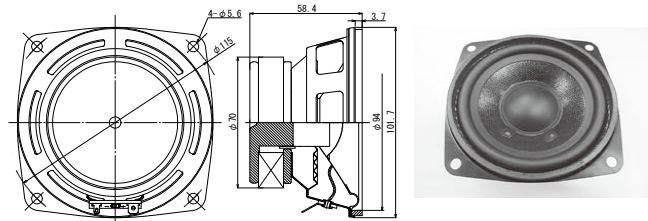
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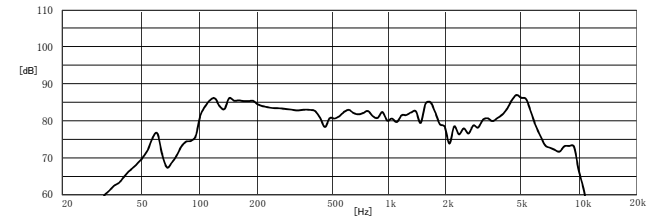
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|-------------|-----------|----------------|
| Size | 77 mm 3inch | Cone | Paper / Black |
| Rated Impedance | 6 ohm | Surround | Rubber / Black |
| Nominal Power | 10 W | Gasket | Paper / Black |
| Maximum Power | 15 W | Dust Cap | Cloth / Black |
| Resonant Frequency | 90 Hz | Terminal | 110 series |
| Frequency Range | fo ~5k Hz | | |
| Sound Pressure Level | 83 dB | | |
| Voice Coil Diameter | 20 mm | | |
| Magnet Mass | 101.2 g | | |
| Total Mass | 400 g | | |



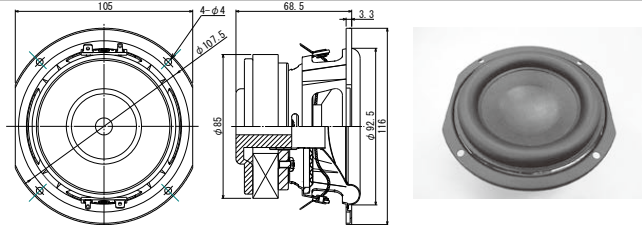
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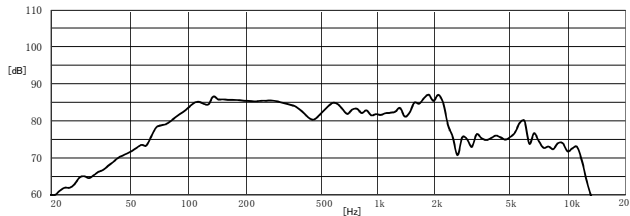
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------|-----------|-------------------|
| Size | 100 mm 4inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Rubber / Black |
| Nominal Power | 20 W | Gasket | Paper / Black |
| Maximum Power | 30 W | Dust Cap | Cloth / Black |
| Resonant Frequency | 100 Hz | Terminal | +205 - 110 series |
| Frequency Range | fo ~6k Hz | | |
| Sound Pressure Level | 84 dB | | |
| Voice Coil Diameter | 25 mm | | |
| Magnet Mass | 193.8 g | | |
| Total Mass | 530 g | | |



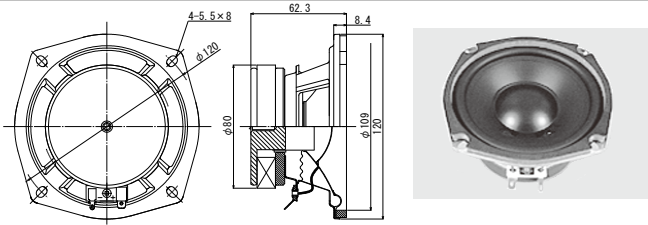
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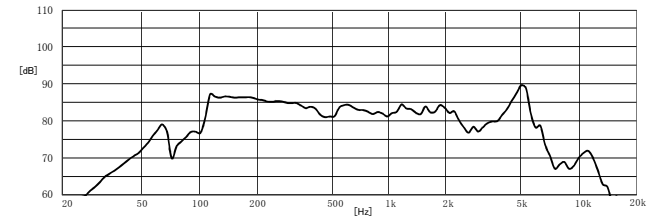
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------|-----------|-------------------|
| Size | 100 mm 4inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm x 2 | Surround | Rubber / Black |
| Nominal Power | 25 W x 2 | Dust Cap | Paper / Black |
| Maximum Power | 40 W | Terminal | +205 - 110 series |
| Resonant Frequency | 60 Hz | | |
| Frequency Range | fo ~8k Hz | | |
| Sound Pressure Level | 85 dB | | |
| Voice Coil Diameter | 16 mm | | |
| Magnet Mass | 357.8 g | | |
| Total Mass | 917 g | | |



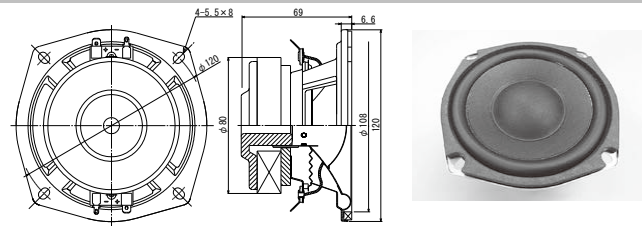
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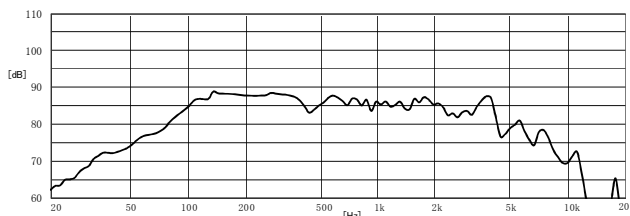
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------|-----------|-------------------|
| Size | 120 mm 5inch | Cone | PP / Black |
| Rated Impedance | 4 ohm | Surround | Rubber / Black |
| Nominal Power | 40 W | Gasket | Paper / Black |
| Maximum Power | 80 W | Dust Cap | PP / Black |
| Resonant Frequency | 70 Hz | Terminal | +205 - 110 series |
| Frequency Range | fo ~5k Hz | | |
| Sound Pressure Level | 85 dB | | |
| Voice Coil Diameter | 30 mm | | |
| Magnet Mass | 221.6 g | | |
| Total Mass | 710 g | | |



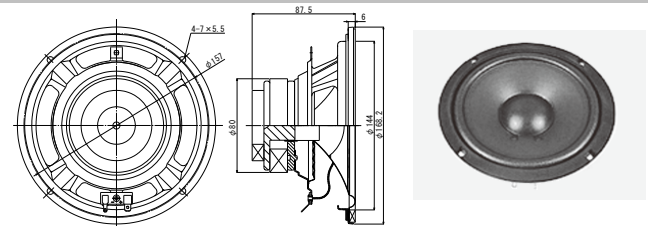
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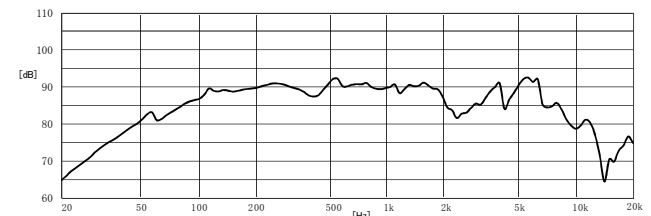
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|--------------|-----------|-------------------|
| Size | 120 mm 5inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm x 2 | Surround | Rubber / Black |
| Nominal Power | 30 W x 2 | Gasket | Paper / Black |
| Maximum Power | 45 W | Dust Cap | Paper / Black |
| Resonant Frequency | 60 Hz | Terminal | +205 - 110 series |
| Frequency Range | fo ~7k Hz | | |
| Sound Pressure Level | 88 dB | | |
| Voice Coil Diameter | 16 mm | | |
| Magnet Mass | 357.8 g | | |
| Total Mass | 900 g | | |



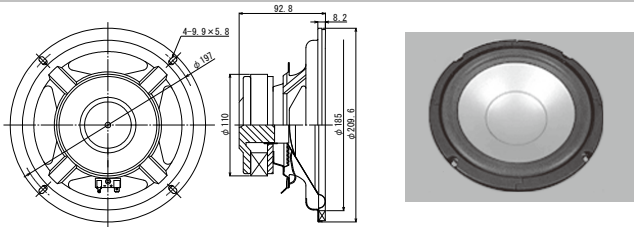
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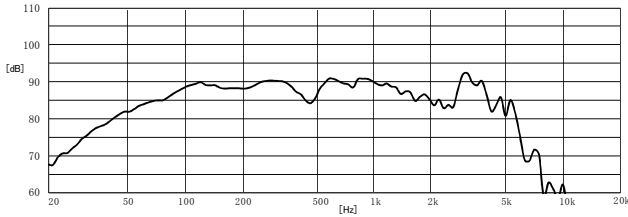
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|----------------|-----------|-------------------|
| Size | 160 mm 6.5inch | Cone | Paper / Black |
| Rated Impedance | 4 ohm | Surround | Cloth / Black |
| Nominal Power | 40 W | Gasket | EVA / Black |
| Maximum Power | 80 W | Dust Cap | Cloth / Black |
| Resonant Frequency | 60 Hz | Terminal | +205 - 110 series |
| Frequency Range | fo ~10k Hz | | |
| Sound Pressure Level | 89 dB | | |
| Voice Coil Diameter | 25 mm | | |
| Magnet Mass | 276.9 g | | |
| Total Mass | 1200 g | | |



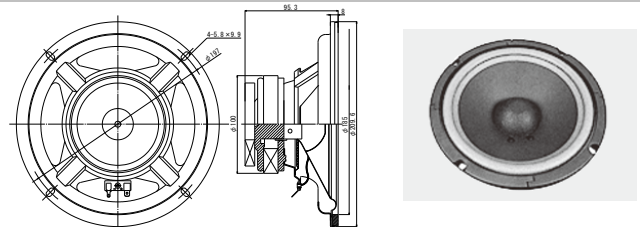
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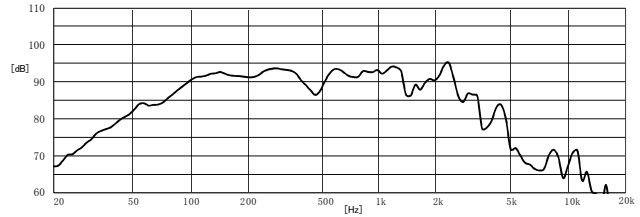
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|-----------------|-----------|-------------------|
| Size | 200 mm 8inch | Cone | Paper / Silver |
| Rated Impedance | 4 ohm | Surround | Urethane / Gray |
| Nominal Power | 80 W | Gasket | Paper / Black |
| Maximum Power | 150 W | Dust Cap | Paper / Silver |
| Resonant Frequency | 40 Hz | Terminal | +205 - 110 series |
| Frequency Range | fo ~6k Hz | | |
| Sound Pressure Level | 87 dB | | |
| Voice Coil Diameter | 38 mm | | |
| Magnet Mass | 555.8 g 19.61oz | | |
| Total Mass | 2070 g | | |



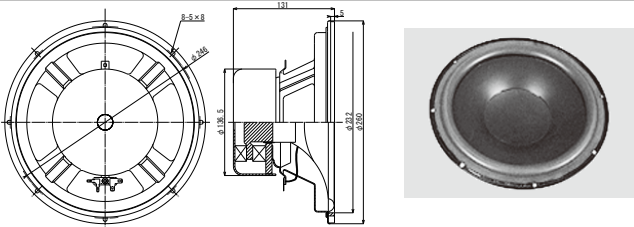
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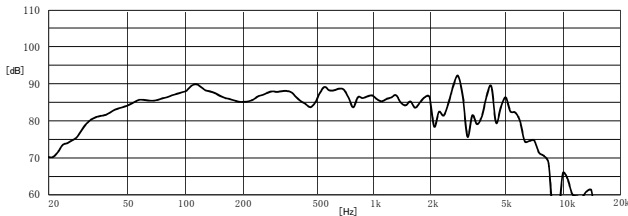
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|---------------|-----------|-------------------|
| Size | 200 mm 8inch | Cone | Paper / Black |
| Rated Impedance | 7 ohm | Surround | Urethane / Gray |
| Nominal Power | 100 W | Gasket | Paper / Black |
| Maximum Power | 200 W | Dust Cap | Paper / Black |
| Resonant Frequency | 50 Hz | Terminal | +205 - 110 series |
| Frequency Range | fo ~3k Hz | | |
| Sound Pressure Level | 92 dB | | |
| Voice Coil Diameter | 30 mm | | |
| Magnet Mass | 433 g 15.27oz | | |
| Total Mass | 1700 g | | |



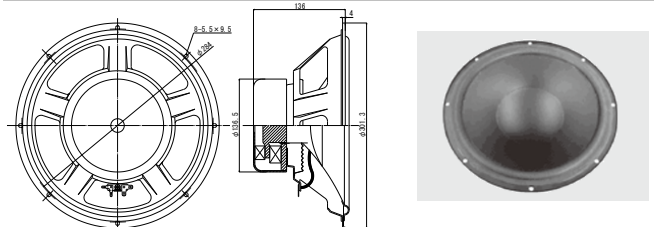
W00225D1



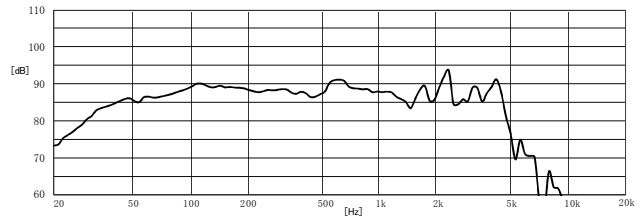
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|-----------------|-----------|-------------------|
| Size | 250 mm 10inch | Cone | Paper / Black |
| Rated Impedance | 4 ohm | Surround | Urethane / Gray |
| Nominal Power | 40 W | Dust Cap | PP / Black |
| Maximum Power | 80 W | Terminal | +205 - 110 series |
| Resonant Frequency | 32 Hz | | |
| Frequency Range | fo ~2k Hz | | |
| Sound Pressure Level | 88 dB | | |
| Voice Coil Diameter | 50 mm | | |
| Magnet Mass | 418.5 g 14.76oz | | |
| Total Mass | 3300 g | | |



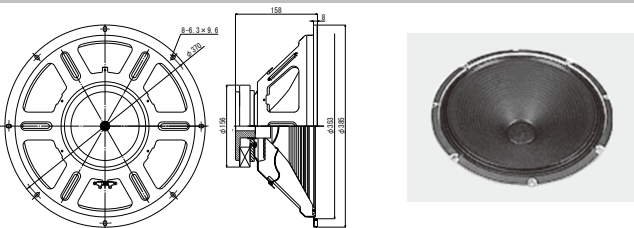
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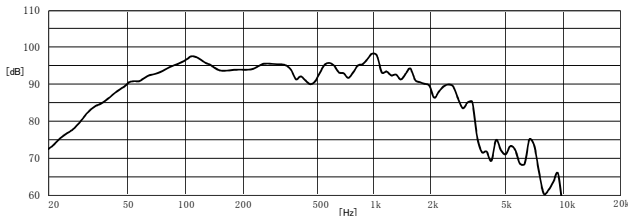
| SPECIFICATIONS | | EXTERNALS | |
|----------------------|-----------------|-----------|-------------------|
| Size | 300 mm 12inch | Cone | Paper / Black |
| Rated Impedance | 4 ohm | Surround | Urethane / Gray |
| Nominal Power | 40 W | Dust Cap | PP / Black |
| Maximum Power | 80 W | Terminal | +205 - 110 series |
| Resonant Frequency | 35 Hz | | |
| Frequency Range | fo ~4k Hz | | |
| Sound Pressure Level | 89 dB | | |
| Voice Coil Diameter | 50 mm | | |
| Magnet Mass | 555.8 g 19.61oz | | |
| Total Mass | 3850 g | | |



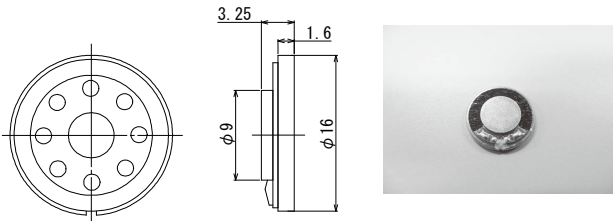
W00138H1



| SPECIFICATIONS | | EXTERNALS | |
|----------------------|-------------------|-----------|---------------|
| Size | 380 mm 15inch | Cone | Paper / Black |
| Rated Impedance | 8 ohm | Surround | Cloth / Black |
| Nominal Power | 100 W | Gasket | Paper / Black |
| Maximum Power | 200 W | Dust Cap | Paper / Black |
| Resonant Frequency | 38 Hz | Terminal | 205 series |
| Frequency Range | fo ~2k Hz | | |
| Sound Pressure Level | 95 dB | | |
| Voice Coil Diameter | 45 mm | | |
| Magnet Mass | 1379.8 g 498.67oz | | |
| Total Mass | 4600 g | | |



M00302H0

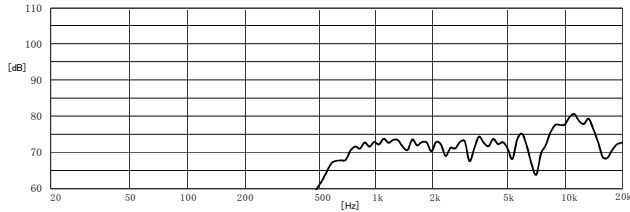


SPECIFICATIONS

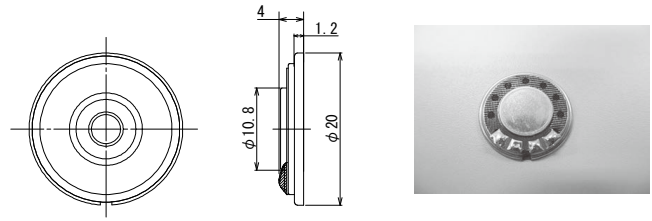
| | |
|----------------------|------------|
| Size | 16 mm |
| Rated Impedance | 8 ohm |
| Nominal Power | 0.5 W |
| Maximum Power | 0.8 W |
| Resonant Frequency | 900 Hz |
| Frequency Range | fo ~20k Hz |
| Sound Pressure Level | 72 dB |
| Total Mass | 1.5 g |

EXTERNALS

| | |
|-----------|-------------|
| Diaphragm | PET / Black |
| Terminal | PCB |



M00202H0

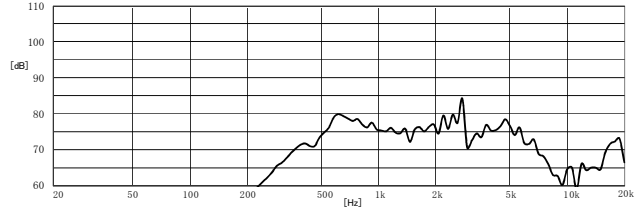


SPECIFICATIONS

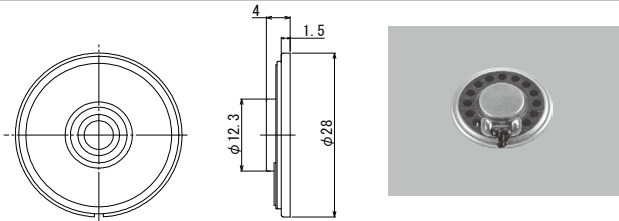
| | |
|----------------------|-----------|
| Size | 20 mm |
| Rated Impedance | 8 ohm |
| Nominal Power | 0.5 W |
| Maximum Power | 0.7 W |
| Resonant Frequency | 550 Hz |
| Frequency Range | fo ~6k Hz |
| Sound Pressure Level | 77 dB |
| Total Mass | 2.2 g |

EXTERNALS

| | |
|-----------|-------------|
| Diaphragm | PET / Black |
| Terminal | PCB |



F01203H0

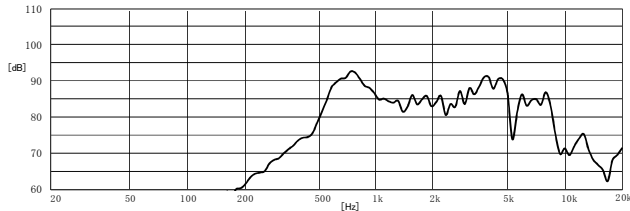


SPECIFICATIONS

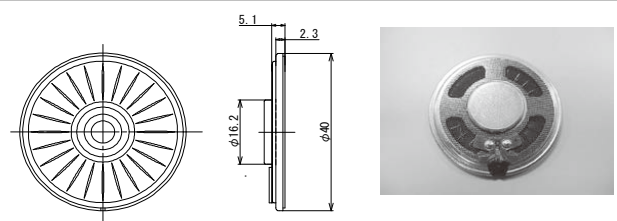
| | |
|----------------------|-----------|
| Size | 28 mm |
| Rated Impedance | 8 ohm |
| Nominal Power | 0.4 W |
| Maximum Power | 0.5 W |
| Resonant Frequency | 750 Hz |
| Frequency Range | fo ~7k Hz |
| Sound Pressure Level | 88 dB |
| Total Mass | 5.2 g |

EXTERNALS

| | |
|-----------|-------------|
| Diaphragm | PET / Black |
| Terminal | PCB |



M00204H0

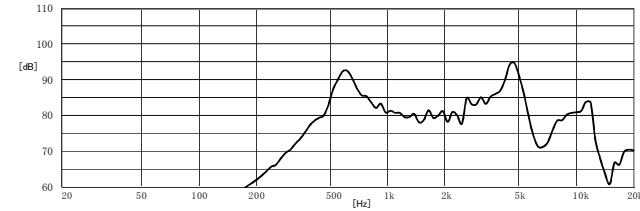


SPECIFICATIONS

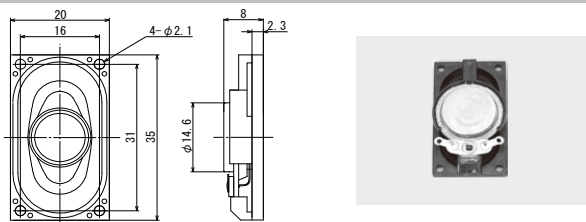
| | |
|----------------------|-----------|
| Size | 40 mm |
| Rated Impedance | 8 ohm |
| Nominal Power | 0.5 W |
| Maximum Power | 0.7 W |
| Resonant Frequency | 600 Hz |
| Frequency Range | fo ~6k Hz |
| Sound Pressure Level | 82 dB |
| Total Mass | 9 g |

EXTERNALS

| | |
|-----------|-------------|
| Diaphragm | PET / Black |
| Terminal | PCB |



F02904H0

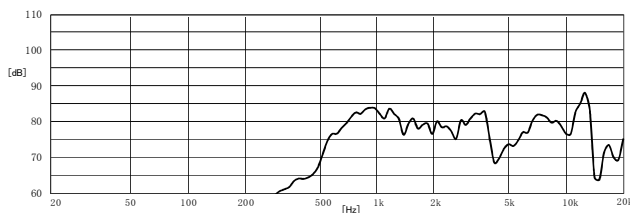


SPECIFICATIONS

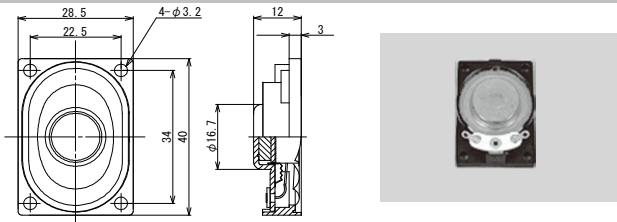
| | |
|----------------------|------------|
| Size | 35 x 20 mm |
| Rated Impedance | 8 ohm |
| Nominal Power | 1 W |
| Maximum Power | 1.5 W |
| Resonant Frequency | 740 Hz |
| Frequency Range | fo ~12k Hz |
| Sound Pressure Level | 78 dB |
| Total Mass | 6 g |

EXTERNALS

| | |
|----------|---------------|
| Cone | Paper / Black |
| Surround | Cloth / Black |
| Dust Cap | Paper / Black |
| Terminal | Solder Lug |



F01204H0

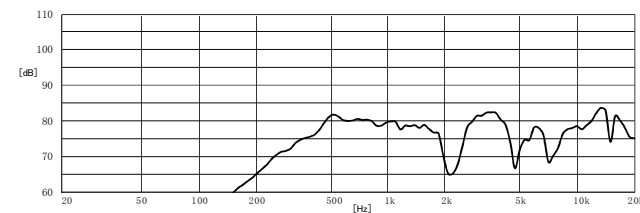


SPECIFICATIONS

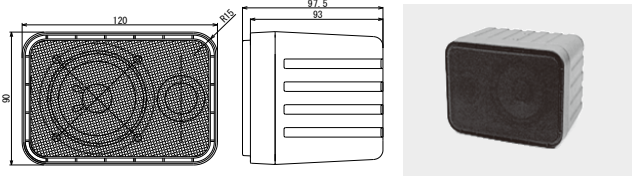
| | |
|----------------------|------------|
| Size | 40 x 28 mm |
| Rated Impedance | 8 ohm |
| Nominal Power | 2 W |
| Maximum Power | 3 W |
| Resonant Frequency | 400 Hz |
| Frequency Range | fo ~20k Hz |
| Sound Pressure Level | 79 dB |
| Total Mass | 13 g |

EXTERNALS

| | |
|----------|---------------|
| Cone | Cloth / Black |
| Surround | Cloth / Black |
| Dust Cap | Paper / Black |
| Terminal | Solder Lug |

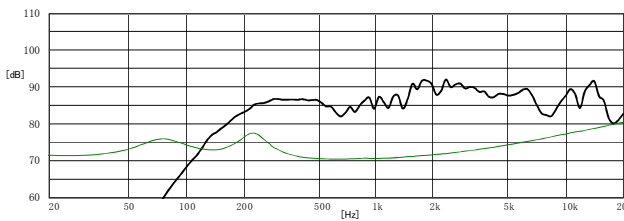


S00308D0

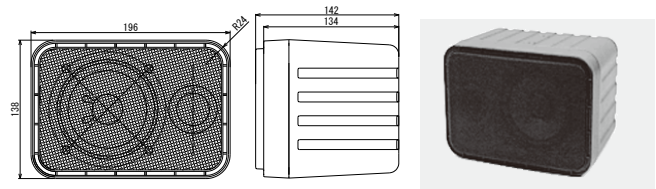


SPECIFICATIONS

| | | | |
|-----------------------|-----------------|----------|----------------|
| Drive Unit | 77mm Full Range | Cabinet | PP / Black |
| Rated Impedance | 4 ohm | Grille | SPCC / Black |
| Nominal Power | 10 W | Terminal | Connector cord |
| Maximum Power | 15 W | | |
| Frequency Range | 200~20 kHz | | |
| Sound Pressure Level | 85 dB | | |
| Dimensions(W × H × D) | 120 × 90 × 97.5 | | |
| Total Mass | 605 g | | |

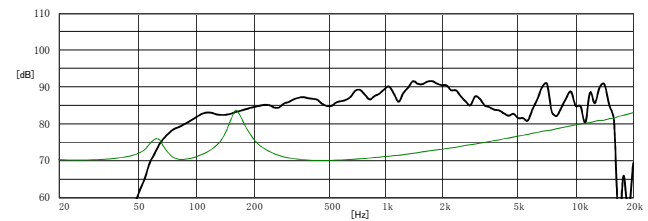


S00110D1

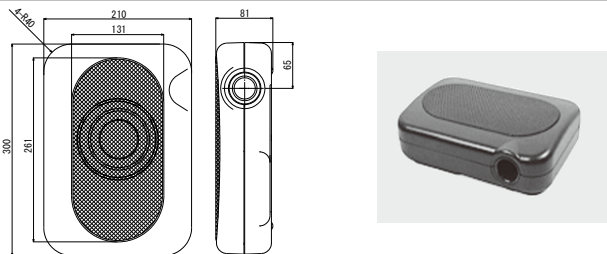


SPECIFICATIONS

| | | | |
|-----------------------|------------------|----------|----------------|
| Drive Unit | 100mm Full Range | Cabinet | PP / Black |
| Rated Impedance | 4 ohm | Grille | SPCC / Black |
| Nominal Power | 40 W | Terminal | Connector cord |
| Maximum Power | 60 W | | |
| Frequency Range | 90~12 kHz | | |
| Sound Pressure Level | 87.5 dB | | |
| Dimensions(W × H × D) | 196 × 138 × 142 | | |
| Total Mass | 1.4 kg | | |

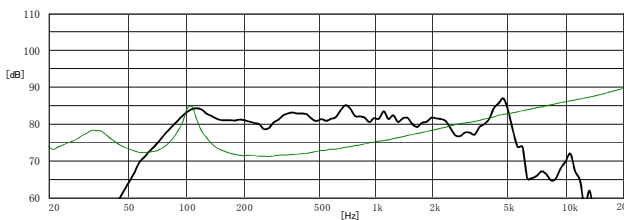


S00112D1

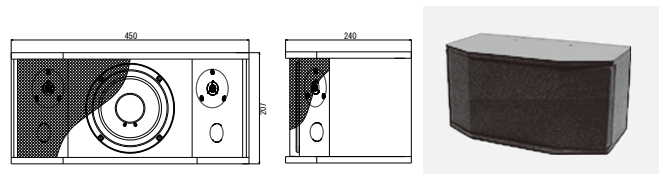


SPECIFICATIONS

| | | | |
|-----------------------|----------------|----------|----------------|
| Drive Unit | 120mm Woofer | Cabinet | ABS / Black |
| Rated Impedance | 4 ohm | Grille | SPCC / Black |
| Nominal Power | 40 W | Terminal | Connector Cord |
| Maximum Power | 80 W | | |
| Frequency Range | 110 ~5k Hz | | |
| Sound Pressure Level | 82 dB | | |
| Dimensions(W × H × D) | 210 × 81 × 300 | | |
| Total Mass | 2.06 kg | | |

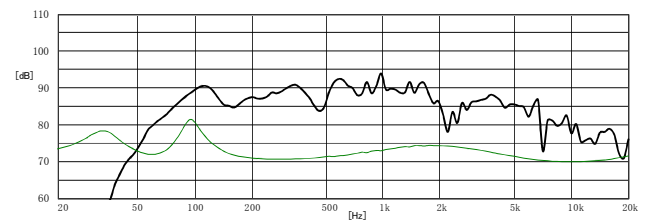


S00516D1

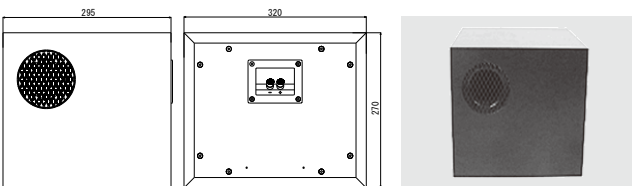


SPECIFICATIONS

| | | | |
|-----------------------|-----------------------------|----------|------------------|
| Drive Unit | 160mm Woofer + 25mm Tweeter | Cabinet | MDF + PP / Black |
| Rated Impedance | 4 ohm | Grille | SPCC / Black |
| Nominal Power | 40 W | Terminal | Snap in Terminal |
| Maximum Power | 80 W | | |
| Frequency Range | 60 ~20k Hz | | |
| Sound Pressure Level | 88 dB | | |
| Dimensions(W × H × D) | 450 × 207 × 240 | | |
| Total Mass | 5.4 kg | | |



S00120D1



SPECIFICATIONS

| | | | |
|-----------------------|-----------------|----------|------------------|
| Drive Unit | 200mm Woofer | Cabinet | MDF + PP / Black |
| Rated Impedance | 4 ohm | Terminal | Banana Terminal |
| Nominal Power | 80 W | | |
| Maximum Power | 150 W | | |
| Frequency Range | 60 ~150 Hz | | |
| Sound Pressure Level | 87 dB | | |
| Dimensions(W × H × D) | 320 × 270 × 295 | | |
| Total Mass | 8.9 kg | | |

