

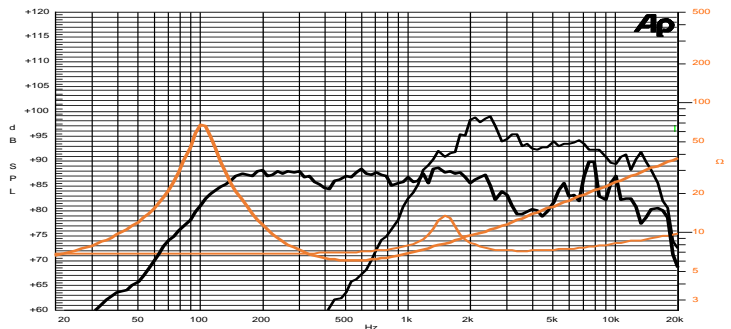
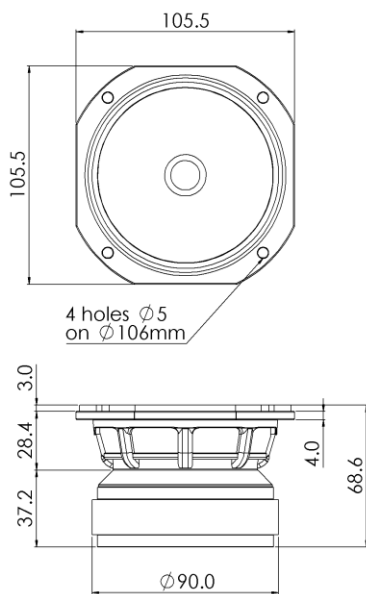
## 4 C 1,5 CP 8+8Ω

4" | 200 W

Code Z001920

Coaxial

- LF 1,5" voice coil Epotex former
- HF Treated Silk dome 1" voice coil
- DAR** Cloth surround
- LF Ferrite Magnet Circuit
- HF Neodymium Magnet Circuit
- 91.2 dB sensitivity
- Frequency Range 100-18000 Hz



Frequency Response on IEC Baffle (DIN 45575) @ 1W, 1m  
Free Air Impedance

| General Specifications                        | LF Unit        | HF Unit      |
|---|----------------|--------------|
| Nominal Diameter                              | 106 mm (4")    |              |
| Nominal Impedance                             | 8 Ω            | 8 Ω          |
| Rated Power AES <sup>(1)</sup>                | 100 W          |              |
| Continuous Program Power <sup>(2)</sup>       | 200 W          |              |
| Sensitivity @ 1W/1m <sup>(3)</sup>            | 91.2 dB        | 91.9 dB      |
| Voice Coil Diameter                           | 38 mm (1,5 in) | 25 mm (1 in) |
| Voice Coil Winding Depth                      | 9 mm           | 1.7 mm       |
| Magnetic Gap Depth                            | 5 mm           | 2 mm         |
| HF Recomm. Crossover Frequency <sup>(4)</sup> | 3.0 kHz        |              |
| Magnet Weight                                 | 405 g          | 14 g         |
| Net Weight                                    | 1.1 kg         |              |

| Thiele & Small Parameters <sup>(5)</sup> |           |                      |                      |
|--|-----------|----------------------|----------------------|
| Re (LF)                                  | 5.1 Ω     | Fs (LF)              | 102.0 Hz             |
| Re (HF)                                  | 6.0 Ω     | Fs (HF)              | 1500 Hz              |
| Qms                                      | 4.05      | Qes                  | 0.35                 |
| Qts                                      | 0.32      | Mms                  | 5.4 g                |
| Cms                                      | 413 μm/N  | Bxl                  | 7.27 Tm              |
| Vas                                      | 1.5 l     | Sd                   | 51.5 cm <sup>2</sup> |
| X max <sup>(6)</sup>                     | +/-2.0 mm | X var <sup>(7)</sup> | +/-2.5 mm            |
| η <sub>o</sub>                           | 0.51 %    | Le (1kHz)            | 0.35 mH              |

### Constructive Characteristics

|                                       |                               |
|---------------------------------------|-------------------------------|
| Magnet                                | Ferrite (LF) / Neodymium (HF) |
| Basket Material                       | Aluminium Die-Cast            |
| LF Voice Coil Winding/Former Material | Copper / Epotex               |
| HF Voice Coil Winding/Former Material | Copper / Aluminium            |
| LF Cone Material                      | Surface Treated Paper         |
| HF Dome Material                      | Treated Silk                  |
| Surround Material                     | Treated Cloth                 |
| HF Spare Part Code                    | Z008955                       |

### Mounting Information

|                        |                       |
|------------------------|-----------------------|
| Overall Dimension      | 105.5x105.5 mm        |
| Baffle Cutout Diameter | 91 mm                 |
| Mounting Holes         | 4 holes ø5 on ø106 mm |
| Total Depth            | 68.6 mm               |

(1) Rated Power measured with 2-hour test with pink noise signal, 6dB crest factor, loudspeaker in free air, power calculated on rated Zmin. (2) Power on Continuous Program is defined as 3dB greater than the Rated Power. (3) Calculated by Thiele & Small parameters, for SPL average in box refer to frequency response. (4) Minimum crossover frequency, 12dB/oct or higher order high-pass filter. (5) Thiele & Small parameters measured with laser system after preconditioning test. (6) Measured with respect to a THD of 10%. (7) Value corresponding to a decay of the Force Factor, or Compliance, or both, equal to the 50% of the small signal value. (8) Drawing dimensions: mm.

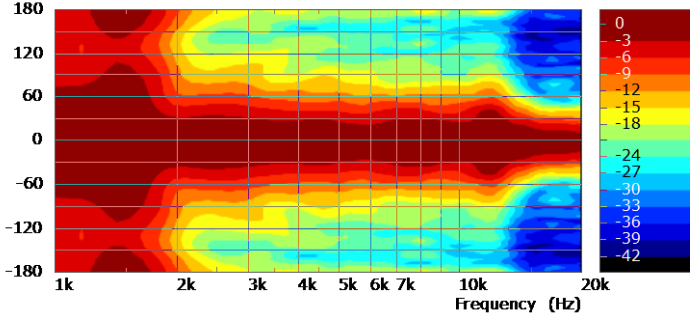
**4 C 1,5 CP 8+8Ω**

**Coaxial**

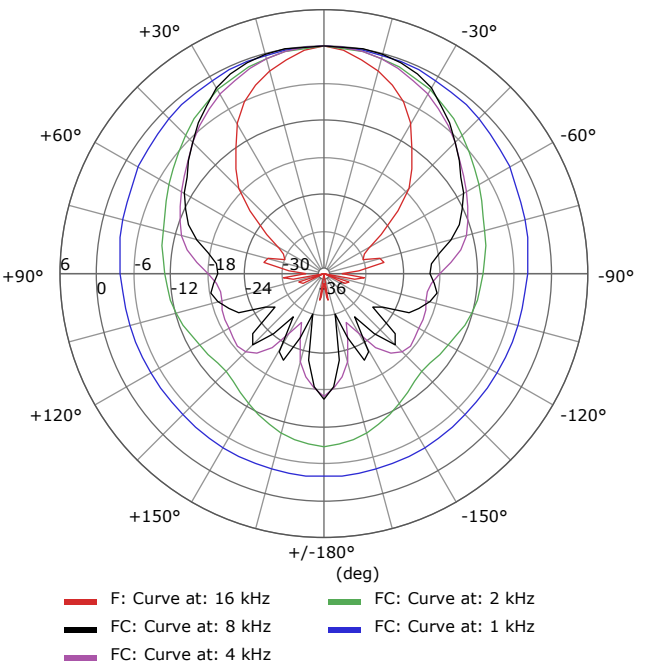
**4" | 200 W**

**Code Z001920**

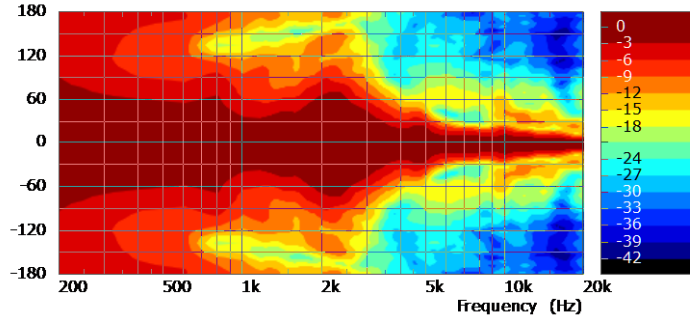
**Z001920-TW Polar diagram**



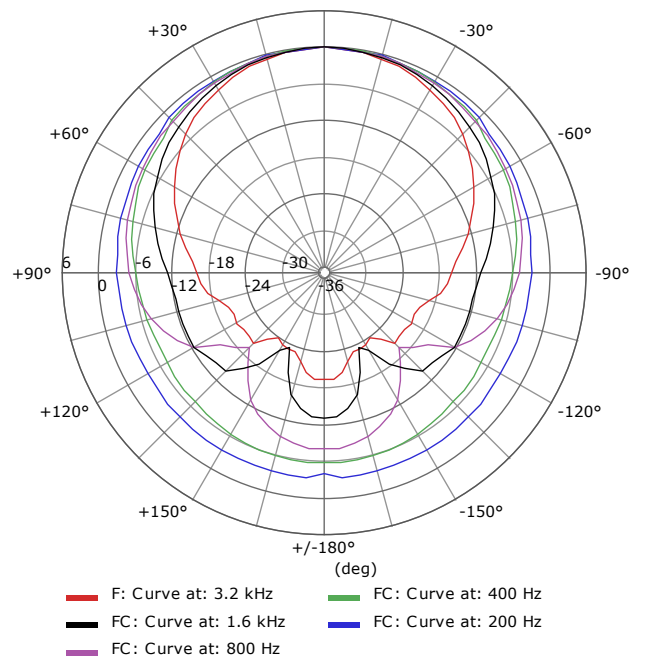
**Z001920-TW Polar diagram**



**Z001920-W polar diagram**



**Z001920-W polar diagram**



(1) Rated Power measured with 2-hour test with pink noise signal, 6dB crest factor, loudspeaker in free air, power calculated on rated Zmin. (2) Power on Continuous Program is defined as 3dB greater than the Rated Power. (3) Calculated by Thiele & Small parameters, for SPL average in box refer to frequency response. (4) Thiele & Small parameters measured with laser system after preconditioning test. (5) Measured with respect to a THD of 10%. (6) Value corresponding to a decay of the Force Factor, or Compliance, or both, equal to the 50% of the small signal value. (7) Drawing dimensions: mm.

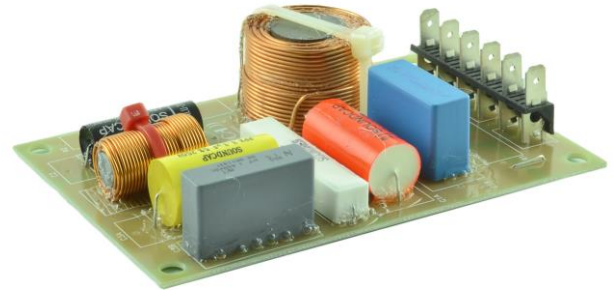
## CROSSOVER x Z001920 8Ω

Crossover for Coaxial Speaker

Code ZC01920

### DESCRIPTION

2-way crossover circuit dedicated to Z001920 coaxial speaker



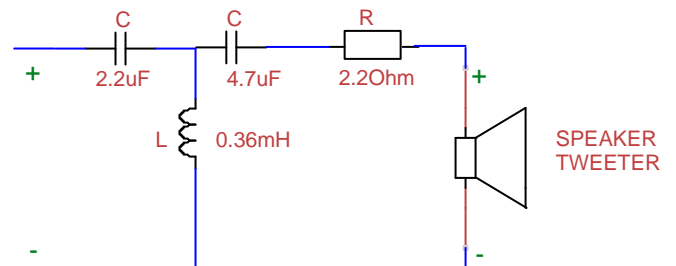
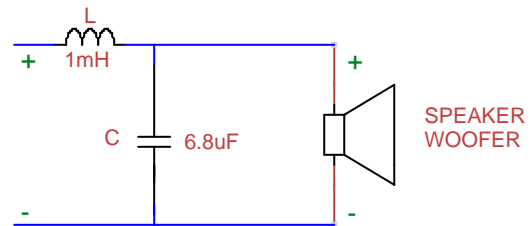
#### General Specifications

|                     |             |
|---------------------|-------------|
| Nominal Impedance   | 8 Ω         |
| Crossover Frequency | 3.0 kHz     |
| High-Pass Slope     | 18 dB/oct   |
| Low-Pass Slope      | 12 dB/oct   |
| Filter Type         | 2-Way       |
| Overall Dimension   | 131 x 90 mm |

#### Notes

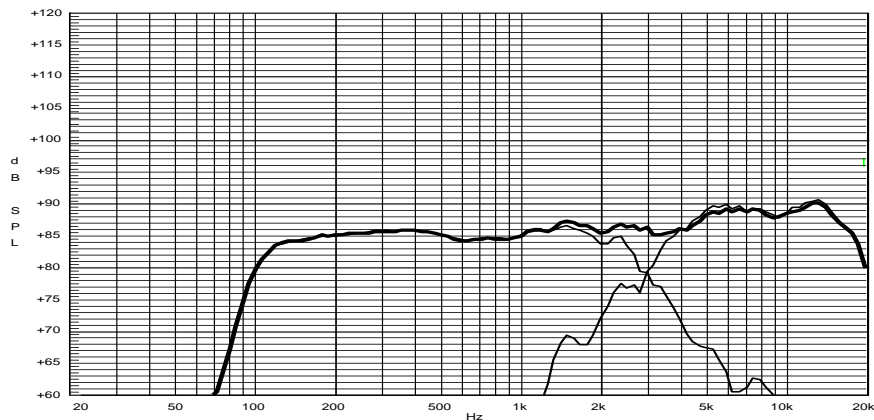
Cables for speakers connection included

#### Crossover Schematics



#### Cabinet Suggestion

|                  |            |
|------------------|------------|
| Cabinet Type     | Vented Box |
| Internal Volume  | 1.8 lt     |
| Tuning Frequency | 120 Hz     |
| Vents Shape      | Round      |
| Vents Number     | 2          |
| Vents Dimension  | Ø 22 mm    |
| Vents Length     | 70 mm      |



Frequency Response on 1.8 Lt @ 120 Hz Vented Box @ 1W, 1m