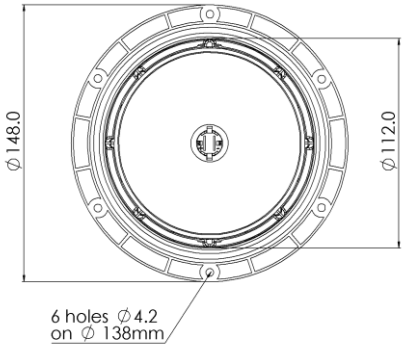
5,5 C 1,5 CP 8+8Ω

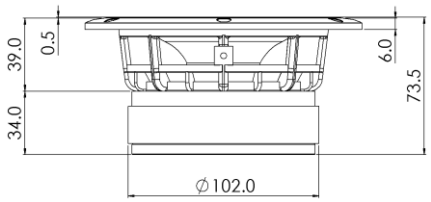
Coaxial

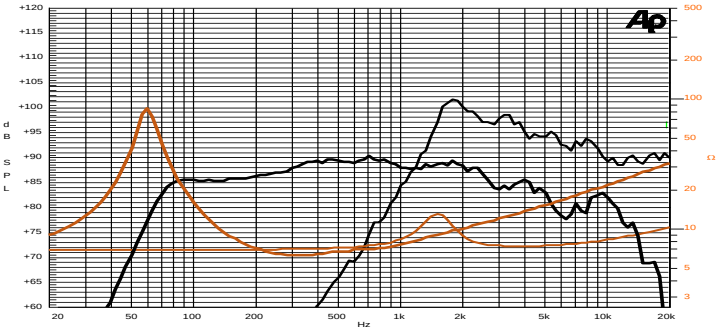
5,5" | 240 W

Code Z002810

- LF 1,5" voice coil Kapton former
- HF Treated Silk dome 1" voice coil
- DAR — Rubber surround with Double Asymmetric Rolls Technology (DAR)
- DT — Damping Cone Treatment
- LF Ferrite Magnet Circuit
- HF Neodymium Magnet Circuit
- 89.8 dB sensitivity
- Frequency Range 60-20000 Hz







Frequency Response on 8 Lt @ 68 Hz Vented Box @ 1W, 1m
Free Air Impedance

General Specifications	LF Unit	HF Unit
Nominal Diameter	140 mm (5,5")	
Nominal Impedance	8 Ω	8 Ω
Rated Power AES (1)	120 W	
Continuous Program Power (2)	240 W	
Sensitivity @ 1W/1m (3)	89.8 dB	93.5 dB
Voice Coil Diameter	38 mm (1,5 in)	25 mm (1 in)
Voice Coil Winding Depth	12 mm	1.7 mm
Magnetic Gap Depth	5 mm	2 mm
HF Recomm. Crossover Frequency (4)		3.0 kHz
Magnet Weight	515 g	14 g
Net Weight	1.7 kg	

Thiele & Small Parameters (5)			
Re (LF)	5.1 Ω	*Fs (LF)*	62.0 Hz
Re (HF)	6.0 Ω	*Fs (HF)*	1500 Hz
Qms	4.67	*Qes*	0.34
Qts	0.31	*Mms*	10.6 g
Cms	621 µm/N	*Bxl*	7.89 Tm
Vas	5.4 l	*Sd*	78.5 cm^2
X max(6)	+/-4.0 mm	*X var* (7)	+/-6.0 mm
η_0	0.37 %	*Le (1kHz)*	0.50 mH

Constructive Characteristics	
Magnet	Ferrite (LF) / Neodymium (HF)
Basket Material	Aluminium Die-Cast
LF Voice Coil Winding/Former Material	Copper / Kapton
HF Voice Coil Winding/Former Material	Copper / Aluminium
LF Cone Material	Paper
HF Dome Material	Treated Silk
Surround Material	Rubber
HF Spare Part Code	Z008955

Mounting Information	
Overall Diameter	148 mm
Baffle Cutout Diameter	113 mm
Mounting Holes	6 holes ø4,2 on ø138 mm
Total Depth	73.5 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.

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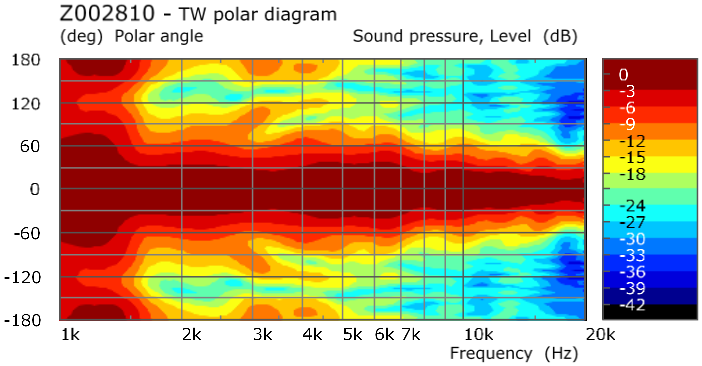
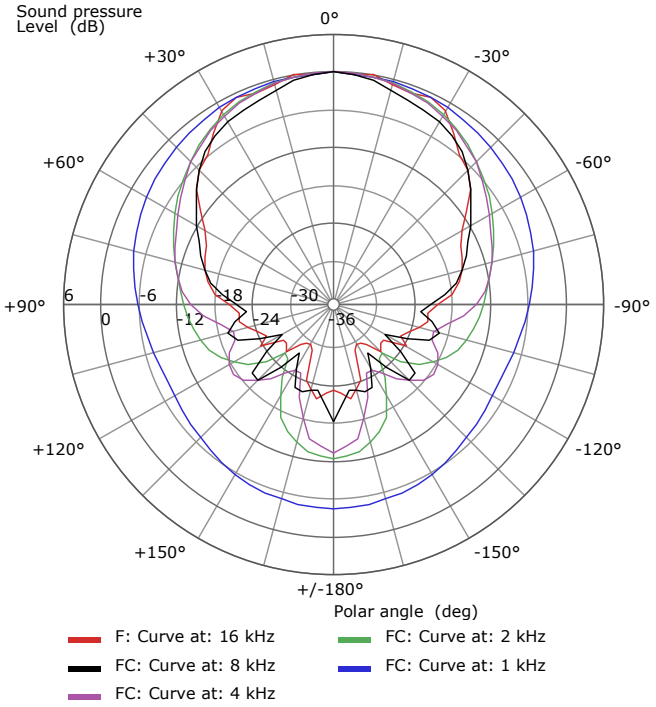
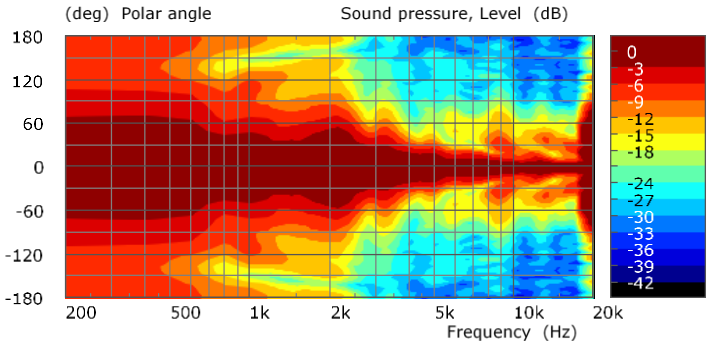
Z002810 - TW polar diagram



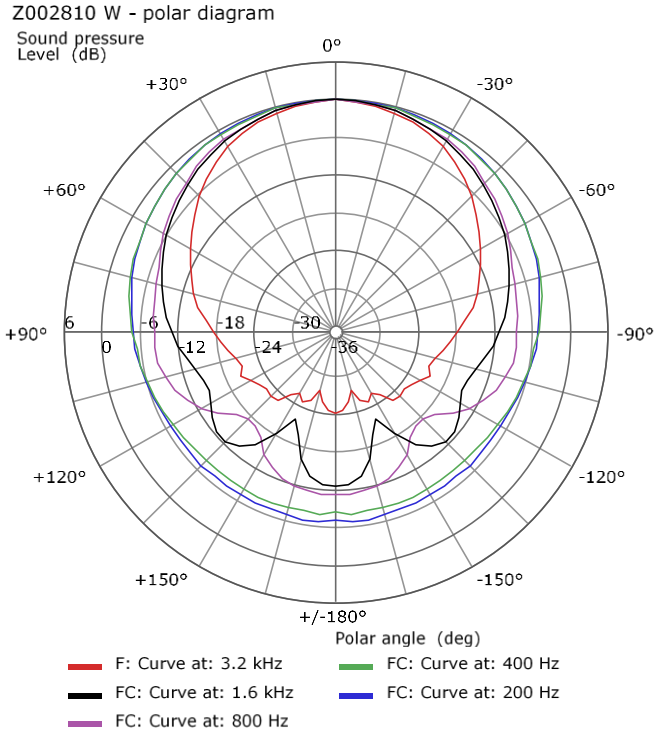
Z002810 -TW polar diagram



Z002810 W - polar diagram



Z002810 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.

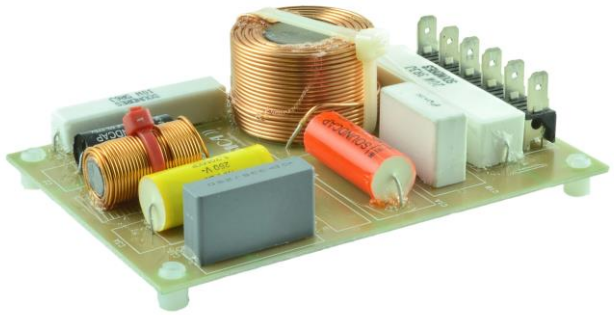
CROSSOVER x Z002810 8Ω

Crossover for Coaxial Speaker

Code ZC02810

DESCRIPTION

2-way crossover circuit dedicated to Z002810 coaxial speaker

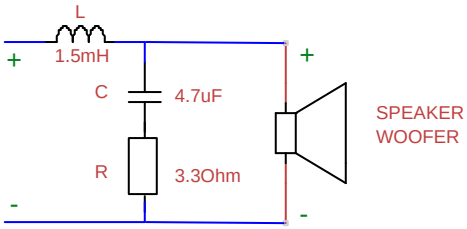


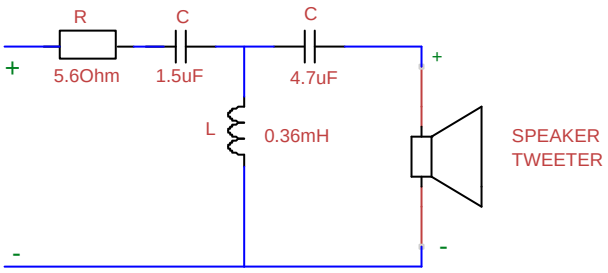
General Specifications	
Nominal Impedance	8 Ω
Crossover Frequency	2.8 kHz
High-Pass Slope	18 dB/oct
Low-Pass Slope	12 dB/oct
Filter Type	2-Way
Overall Dimension	131 x 90 mm

Notes

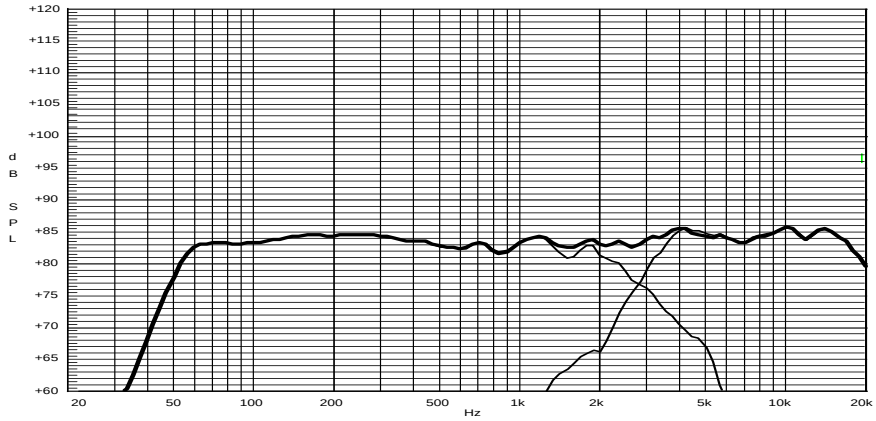
Cables for speakers connection included

Crossover Schematics





Cabinet Suggestion	
Cabinet Type	Vented Box
Internal Volume	9 lt
Tuning Frequency	58 Hz
Vents Shape	Round
Vents Number	1
Vents Dimension	Ø 55 mm
Vents Length	160 mm



Frequency Response on 9 Lt @ 58 Hz Vented Box @ 1W, 1m