

07 AMPLIFIERS SUBWOOFERS SPEAKERS

POWERED TO PERFORM, CREATED TO OVER- WHELM

Your amplifier and speaker system is literally the interface between audio signals and listening. So the quality of your components will have a direct impact on the quality of sound you hear. From crystalline highs to thundering lows, Clarion amps and speakers deliver the sound of satisfaction.



Power amplifiers that deliver the punch

Whether you only listen to background music or operate a fully-fledged mobile DVD theatre, the performance of the power amp will make a spectacular difference in the sound you hear. So regardless of the type of system you build, go ahead and fill your car with sound that is pure pleasure to listen to. Clarion gives you all you've ever wanted in an amp.



Subwoofers that make the earth move

Turn up the power full blast, and count on these subwoofers to deliver. Clarion offers a selection of subwoofers including active subwoofers to meet and surpass your demands for groundpounding bass, featuring tough and high-performance cone materials, die-cast frames and powerful voice coils that can really take the heat.



Speakers that span the entire spectrum

Although bass gets a lot of attention, great sound does not consist of bass only. Clarion's line-up of high-performance speakers is your assurance that you and your audience will be listening to the highest quality audio, whether you're listening to a CD or your iPod, or watching a DVD. Enjoy the entire spectrum of sound, and experience complete in-car entertainment.

Upgrade your system with polished circuit designs and unwavering power to a level of sound excellence that leaves no one in doubt. Digital circuitry renders tones and reverberations that have been inaudible until now to their fullest. The overdimensioned power supply in Clarion amps has sufficient reserves to deliver non-stop sound that's always a class above — even when playing the most demanding digital sources. And by using only the highest quality components in its power amps, Clarion can create sophisticated designs that maximise heat dissipation and achieve exceptional power in the limited vehicle interior.

Overwhelming performance for an unrivalled soundscape.

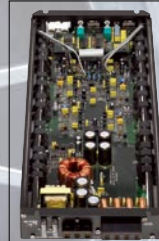
APA4320

4 x 160W BRIDGEABLE POWER AMPLIFIER



Circuit design achieves high quality sound

Encompassing a host of high quality components, Clarion's amplifiers take your music to a whole new level. Featuring uncompromising resistance to magnetic noise, the circuit design used by Clarion's amplifiers allows for easy subwoofer system configurations using its embedded high-pass and low-pass filters. What's more, Clarion's high-grade, gold-plated block terminals offer low electrical and contact resistance for crystal clear sound. These amps also boast 2-ohm stability for increased power and reliability when connected to speakers with 2-ohm loads. Put simply, Clarion offers a line of amplifiers that boast superior power and versatility.



- 4/3/2 channels bridgeable mode operation
- Maximum power output: 640 W (4 x 160 W into 4 ohms)
- Continuous average power output: 320 W (4 x 80 W into 4 ohms)
- Typical bridged power output: 2 x 230 W @ 0.2% THD
- Typical 2-ohm stereo power output: 4 x 115 W @ 0.2% THD
- Bass Extender: 0/+15 dB @ 45 Hz
- Independent front/rear adjustable crossover frequencies (HP/LP): 55 ~ 550 Hz or 550 ~ 5,500 Hz
- Adjustable line level input: 200 mV up to 6 V
- Speaker level inputs to allow easy interfacing with factory-mounted car stereos
- Soft mute On/Off circuitry
- Gold plated isolated massive speaker and power supply connectors

APA2160

2 x 160W BRIDGEABLE POWER AMPLIFIER



- 2/1 channels bridgeable mode operation
- Maximum power output: 320 W (2 x 160 W into 4 ohms)
- Continuous average power output: 160 W (2 x 80 W into 4 ohms)
- Typical bridged power output: 1 x 250 W @ 0.2% THD
- Typical 2-ohm stereo power output: 2 x 125 W @ 0.2% THD
- Bass Extender: 0/+15 dB @ 45 Hz
- Adjustable crossover frequency (HP/LP): 55 ~ 550 Hz or 550 ~ 5,500 Hz
- Adjustable line level input: 200 mV up to 6 V
- Speaker level inputs to allow easy interfacing with factory-mounted car stereos
- Soft mute On/Off circuitry
- Gold plated isolated massive speaker and power supply connectors



	Continuous power output (20-20,000 Hz, 4Ω)	Max. power output	Frequency response (Hz)	SN ratio at min. volume	Power consumption	Weight (kg)	Dimensions (W x H x D), mm
APA4320	4 x 80 W (4-ch.operation)	4 x 160 W	10 to 50,000 (±1 dB)	100 dB	37 A	3.9	165 x 56 x 409
APA2160	2 x 80 W (2-ch.operation)	2 x 160 W	10 to 50,000 (±1 dB)	100 dB	19 A	2.7	165 x 56 x 287

Clarion's HX Series boasts dynamic looks and dynamite sound. Our super tweeters can reproduce sound up to an amazing 120 kHz, expanding the dynamics to breathtaking levels far beyond the perceivable audible range of humans. The fibreglass woofer cone offers improved internal loss and sound propagation to accommodate the broader dynamic range of digital sources. And HX series subwoofers feature a Parabolic Metallised Polypropylene cone with long stroke X-Max structure and rubber surround for increased cone movement as well as an aluminium die-cast frame for added stiffness.

HX series: A difference you can hear and see

● Subwoofer technology

Die-cast aluminium frame

An aluminium die-cast frame is employed for the toughness and vibration damping properties it provides. Aluminium suppresses noise from resonance and energy loss to achieve linear movement for cones and voice coils.

Gold-plated push terminals

Terminals that can accept large gauge cables are employed to suppress loss in signal transfer to an absolute minimum, contributing to playback that is true to the source. Generous use of gold plating also reduces contact loss.

Dual strontium magnets

Two strontium magnets are installed, allowing for a high flux density gap, thus enabling quick response as well as stable output at high output levels.

● Woofer technology

Fibreglass cone

Shaping by careful vertical and horizontal interweaving of strong fibreglass greatly increases rigidity. There is little distortion from settling and creeping even in amplitude motion for large inputs, thus enabling constant crisp playing of music.

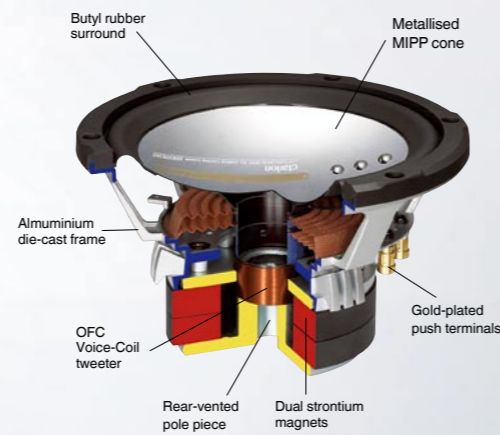
● Tweeter technology

120 kHz-playback tweeters

Special tweeters that employ a silk dome and dual neodymium magnets were developed in pursuit of rich harmonic elements. With industry-pioneering 120 kHz playback, the performance fully supports DVD audio, SADC, and other next-generation media with sound that reaches far into the inaudible frequency range. These wide-range properties have room to spare to also let you enjoy stable treble when playing back regular CDs.

Variable angles

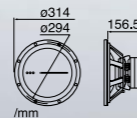
Tweeters are compatible with a two-way setup thanks to removable bases that allow installation on either the dashboard or in doors. Their variable angle structure that enables the facing and angle to be freely adjusted gives you the ability to put them in the direction that best fits your car and seating position.



SRM3093HX
30 CM (12") HX SERIES SUBWOOFER



- 30 cm titanium metallised MIPP cone woofer with rubber surround
- Double-stacked powerful strontium magnet
- Seamless parabolic cone structure for dynamic bass response
- Aluminium die-cast frame and cooling spacer for high power handling
- Rear-vented pole piece



SRS1752HX
16.5 CM (6-1/2") 2-WAY COMPONENT SYSTEM

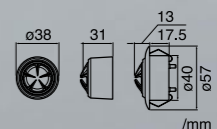
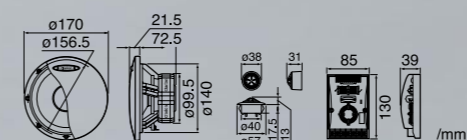


- 16.5 cm (6-1/2") fibreglass cone woofer with rubber surround
- Aluminium die-cast frame for high power handling and reduced distortion
- Powerful strontium magnet for dynamic bass response
- 2 cm (3/4") pure silk dome tweeter with dual-neodymium magnet
- 2-way mounting tweeter (variable angle flush mounting/surface mounting)
- Extremely high frequency reproduction /120 kHz
- High-grade -12 dB/oct. 2-way crossover network with level attenuator (0, -3 dB)

SRH292HX
2 CM (3/4") SILK DOME TWEETER



- 2 cm (3/4") pure silk dome tweeter with dual neodymium magnet
- 2-way mounting (variable angle flush mounting/surface mounting)
- Extremely high frequency reproduction of/120 kHz
- Includes -6 dB/oct. in-line network with level attenuator (0, -6 dB, -12 dB)



Model	System	Depth (mm)	Woofer Diameter (mm)	Tweeter Diameter (mm)	Power (W)	Frequency (kHz)	Efficiency (dB/W/m)	Fs (Hz)	Qs	Vas (Litres)
SRS1752HX	2-way component system	165	20	20	300	120	91	50	0.67	15.6
SRH292HX	Dome tweeter	20	20	20	250	120	90	50	0.67	15.6
SRM3093HX	Subwoofer	300	300	300	1,200	120	93	29	0.55	135.6

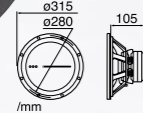
Clarion subwoofers are designed to handle large amounts of power for groundpounding bass. For lesser bass needs, there are our active subwoofers which fit into a compact footprint. Turn up the power full blast, and count on these subwoofers to deliver.

Subwoofers & Active Subwoofers



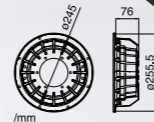
SW3011
30 CM (12") SINGLE VOICE COIL SUBWOOFER

Input MAX 750W
• Metallised MIPP cone woofer with rubber surround • Large strontium ferrite magnet • Seamless parabolic cone structure for dynamic bass response • Stamped steel frame • Rear-vented pole piece



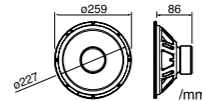
PFW1051
25 CM (10") SINGLE VOICE COIL SUBWOOFER

Input MAX 600W
• 75 mm pointing depth • Polypropylene electrolytic spun aluminium coated cone woofer with co-polymer composite high excursion surround • Dual strontium ferrite magnet • Seamless parabolic cone structure for dynamic bass response • Aluminium die-cast frame and S.E.T. (Spider Exhaust Technology) cooling • Hyper-extended vented pole piece



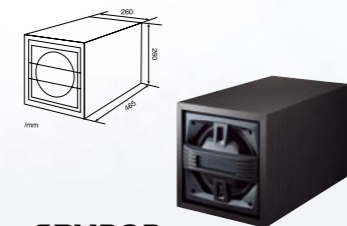
SW2511
25 CM (10") SINGLE VOICE COIL SUBWOOFER

Input MAX 600W
• Metallised MIPP cone woofer with rubber surround • Large strontium ferrite magnet • Seamless parabolic cone structure for dynamic bass response • Stamped steel frame • Rear-vented pole piece



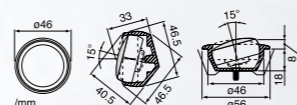
SRV313
SLIM DESIGN 17 CM (6-1/2") ACTIVE SUBWOOFER

MAX 120W
• Dual-Voice coil • 120 W high power amplifier with low pass filter • Maxx Bass circuit for virtual bass enhancer • 17 cm (6-1/2") counter drive woofer with dual-neodymium magnet • Air compression structure with aluminium die-cast enclosure • Remote control for gain control /low-pass filter (selectable 50/75/100/120 Hz)/phase select • Blue LED power indicator • Audio line level input/Speaker high level input



SRV202
20 CM (8") ACTIVE SUBWOOFER

MAX 120W
• 120 W high power amplifier with low-pass filter • Dual voice coil woofer with strontium magnet • Air compression structure for dynamic bass response • Subwoofer level control for gain control/low-pass filter (55 ~ 130 Hz)/phase select controls • Leather finished MDF enclosure • RCA line level input/ speaker level input



SRH206
2.5 CM (1") BALANCED-DRIVE TWEETER

Input MAX 200W
• 2.5 cm (1") metallised PEI balanced-drive tweeter • 2-way mounting (variable angle flush mounting/surface mounting) • Powerful neodymium magnet • In-line-6 dB/oct. crossover network

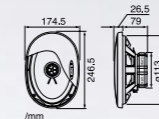


In-Phase coaxial 2-way



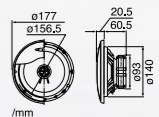
SRX6985
15 x 23 CM (6" x 9") IN-PHASE COAXIAL 2-WAY

Input MAX 300W
• Glass Fibre Cone • 120kHz • NeosMas • In-Phase Coaxial • Full-Range Tweeter



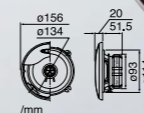
SRX1785
16.5 CM (6-1/2") IN-PHASE COAXIAL 2-WAY

Input MAX 250W
• Glass Fibre Cone • 120kHz • NeosMas • In-Phase Coaxial • Full-Range Tweeter



SRX1385
13 CM (5-1/4") IN-PHASE COAXIAL 2-WAY

Input MAX 200W
• Glass Fibre Cone • 120kHz • NeosMas • In-Phase Coaxial • Full-Range Tweeter



Clarion's Phase 1 speaker series is synonymous with high performance. As before, they use MIPP (Mica Injection Polypropylene) cones, with a molecular structure that radiates from the inside outward, to attain the lightness and rigidity necessary to create speakers with superior response even to the fast transients of digital sources. Our tweeters use a balanced dome PEI (Poly Ether Imide) design for superior high frequency sound reproduction and off-axis response when mounted in the door speaker location. Powerful Neodymium magnets are used for increased imaging accuracy.

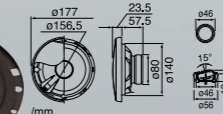
Phase 1 speaker line-up

2-way component system

SRS1726
16.5 CM (6-1/2") 2-WAY COMPONENT SYSTEM

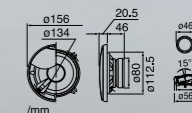


Input MAX 250W
• Titanium Metallised TM-MIPP cone woofer with rubber surround • Pure silk dome tweeter with Dual neodymium magnet • Metallised PEI balanced-drive tweeter • 2-way mounting tweeter • Rear-vented pole woofer • Variable angle woofer



SRS1326
13 CM (5-1/4") 2-WAY COMPONENT SYSTEM

Input MAX 200W
• Titanium Metallised TM-MIPP cone woofer with rubber surround • Pure silk dome tweeter with Dual neodymium magnet • Metallised PEI balanced-drive tweeter • 2-way mounting tweeter • Rear-vented pole woofer • Variable angle woofer



	Reproduction system	Metallised PEI balanced-drive tweeter	Speaker size	Double-stacked powerful strontium magnet	Seamless parabolic cone structure for dynamic bass response	Aluminium die-cast frame	4-ohm voice coil	Rear-vented pole piece	Rubber surround	Dual neodymium magnet	Dual voice coil	Wired remote control	2-way mounting tweeter	Powerful neodymium magnet	In-line-6 dB/oct. crossover network	Variable angle tweeter	Music peak power (W)	Continuous power (W)	Frequency response (Hz)	Efficiency (dB/W/m)
SW3011	Subwoofer		30 cm	●													750	250	30-2,500	
SW2511	Subwoofer		25 cm	●													600	200	30-1,000	
PFW1051	Subwoofer	●	25 cm	●	●	●	●	●	●	●							600	300		
SRV313	Active Powered Subwoofer		17 cm								●	●	●				120	60	30-200	
SRV202	Active Powered Subwoofer		20 cm							●							120	60	20-200	
SRH206	Balanced-drive Tweeter		25 mm									●	●	●	●	●	200	40	2,500-35,000	90

	Reproduction system	Fibreglass cone woofer with rubber surround	Titanium metallised TM-MIPP cone woofer	Pure silk dome tweeter with Dual neodymium magnet	Metallised PEI balanced-drive tweeter	2-way mounting tweeter	Rear-vented pole woofer	Variable angle woofer	In-phase coaxial design for best sound quality and imaging	Powerful strontium magnet for dynamic bass response	In-line-6 dB/oct. crossover network	Extremely high frequency reproduction	Music peak power (W)	Continuous power (W)	Fs (Hz)	Qts	Vas (litres)	Frequency response (Hz)	Efficiency (dB/W/m)	
SRX6985	In-phase coaxial 2-way		150 x 230 mm						●	●			80 kHz	350	50	45	0.59	29.6	25-80,000	92
SRX1785	In-phase coaxial 2-way		165 mm						●	●			120 kHz	250	45	75	0.93	4.2	28-120,000	91
SRX1385	In-phase coaxial 2-way		130 mm						●	●			120 kHz	200	40	90	0.86	3.3	35-120,000	90
SRS1726	2-way component system		165 mm						●	●	●	●	250	40	60	0.66	25.5	28-35,000	92	
SRS1326	2-way component system		130 mm						●	●	●	●	200	40	80	0.66	6.4	40-35,000	90	

PHASE 1

Multiaxial 3-way

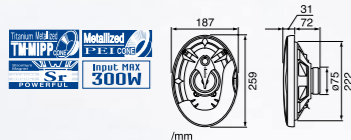
SRR2036
20 CM (8")
MULTIAXIAL 3-WAY



SRR1736
16.5 CM (6-1/2")
MULTIAXIAL 3-WAY



SRR6936
15 x 23 CM (6" x 9")
MULTIAXIAL 3-WAY

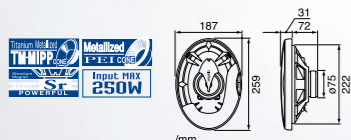


SRR1336
13 CM (5-1/4")
MULTIAXIAL 3-WAY



Coaxial 2-way

SRR6926
15 x 23 CM (6" x 9")
COAXIAL 2-WAY



SRR1726
16.5 CM (6-1/2")
COAXIAL 2-WAY



SRR1326
13 CM (5-1/4")
COAXIAL 2-WAY



SRR1028
10 CM (4")
COAXIAL 2-WAY

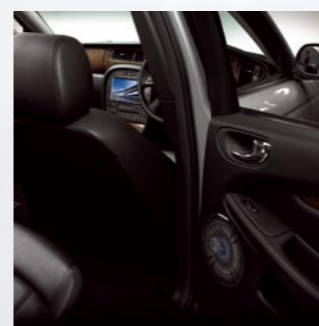


	Reproduction system	Titanium Metallised TMA-MIP® cone woofer	Metallised PEI tweeter	Metallised PEI cone mid-range	Metallised PEI dome tweeter	Metallised PEI cone tweeter	Metallised PEI balanced-drive mid-range	Powerful strontium magnet for dynamic bass response	Musical peak power (W)	Continuous power (W)	Fs (Hz)	Qts	Vas (Litres)	Frequency response (Hz)	Efficiency (dB/W/m)
SRR2036	Multiaxial 3-way	200 mm	66 mm	16 mm				●	350	50	55	0.58	25.6	25 - 32,000	92
SRR1736	Multiaxial 3-way	165 mm	8 mm		30 mm			●	230	40	75	0.77	10.7	28 - 32,000	91
SRR6936	Multiaxial 3-way	150 x 230 mm	66 mm	16 mm				●	300	40	60	0.74	30.0	28 - 32,000	92
SRR1336	Multiaxial 3-way	130 mm	8 mm		25 mm			●	170	30	90	0.60	4.3	40 - 32,000	91
SRR6926	Coaxial 2-way	150 x 230 mm			66 mm			●	250	40	60	0.74	30.0	28 - 30,000	92
SRR1726	Coaxial 2-way	165 mm	30 mm					●	200	40	75	0.77	10.7	28 - 30,000	91
SRR1326	Coaxial 2-way	130 mm	25 mm					●	140	30	90	0.60	4.3	40 - 30,000	91
SRR1028	Coaxial 2-way	100 mm	25 mm					●	120	30	120	0.70	1.5	45 - 30,000	90

Clarion's Sound Explorer series of custom-fit 2-way coaxial speakers provides an ideal match for digital sound sources. Their soft dome tweeters use pure silk-cloth diaphragms to achieve excellent dynamics with the ability to reproduce highs of 80 kHz, and they offer superior responsiveness to recreate subtle nuances, as well as much wider sound dispersion over conventional cone diaphragms. Tweeter voice coils are wound around heat-resistant polyimide bobbins to handle high-powered input signals over prolonged periods of time.

Sound Explorer

SRC1773
16.5 CM (6-1/2") CUSTOM-FIT COAXIAL 2-WAY



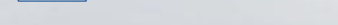
SRC1373
13 CM (5-1/4") CUSTOM-FIT COAXIAL 2-WAY



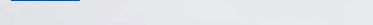
SRC1073
10 CM (4") CUSTOM-FIT COAXIAL 2-WAY



SRC1074
10 CM (4") CUSTOM-FIT COAXIAL 2-WAY



SRC4673
10 x 15 CM (4" x 6") CUSTOM-FIT COAXIAL 2-WAY



Custom-fit

SRC1715
16.5 CM (6-1/2") CUSTOM-FIT COAXIAL 2-WAY



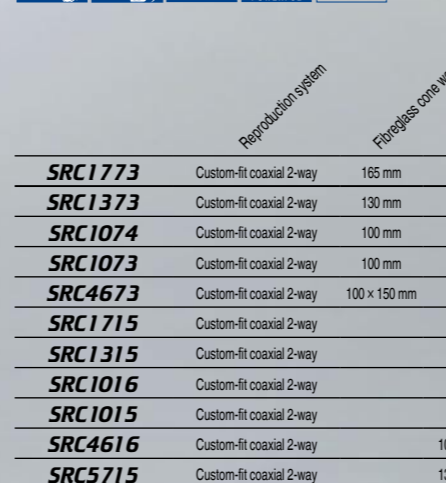
SRC1315
13 CM (5-1/4") CUSTOM-FIT COAXIAL 2-WAY



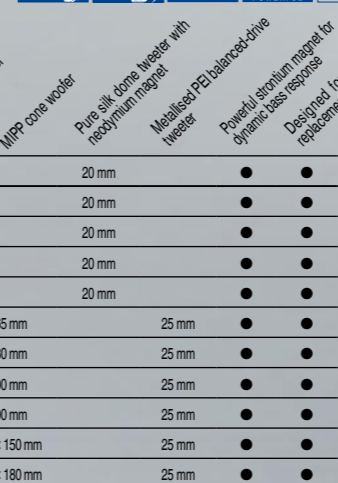
SRC1016
10 CM (4") CUSTOM-FIT COAXIAL 2-WAY



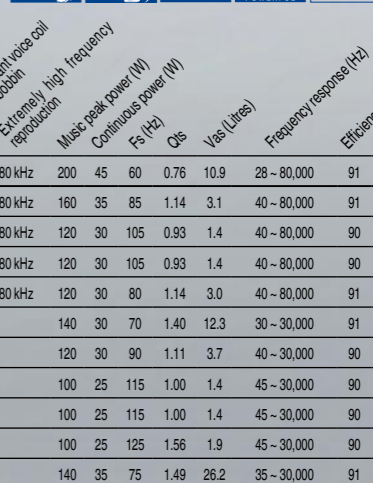
SRC1015
10 CM (4") CUSTOM-FIT COAXIAL 2-WAY



SRC4616
10 x 15 CM (4" x 6") CUSTOM-FIT COAXIAL 2-WAY



SRC5715
13 x 18 CM (5" x 7") CUSTOM-FIT COAXIAL 2-WAY



	Reproduction system	Fibreglass cone woofer	MIP® cone woofer	Pure silk dome tweeter with neodymium magnet	Metallised PEI balanced-drive tweeter	Powerful strontium magnet for dynamic bass response	Designed for direct OEM replacement	Sound tuning for European cars	Super heat-resistant voice coil and polyimide bobbin	Extremely high frequency reproduction	Musical peak power (W)	Continuous power (W)	Fs (Hz)	Qts	Vas (Litres)	Frequency response (Hz)	Efficiency (dB/W/m)
SRC1773	Custom-fit coaxial 2-way	165 mm	20 mm	●	●	●	●	●	●	80 kHz	200	45	60	0.76	10.9	28 - 80,000	91
SRC1373	Custom-fit coaxial 2-way	130 mm	20 mm	●	●	●	●	●	●	80 kHz	160	35	85	1.14	3.1	40 - 80,000	91
SRC1074	Custom-fit coaxial 2-way	100 mm	20 mm	●	●	●	●	●	●	80 kHz	120	30	105	0.93	1.4	40 - 80,000	90
SRC1073	Custom-fit coaxial 2-way	100 mm	20 mm	●	●	●	●	●	●	80 kHz	120	30	105	0.93	1.4	40 - 80,000	90
SRC4673	Custom-fit coaxial 2-way	100 x 150 mm	20 mm	●	●	●	●	●	●	80 kHz	120	30	80	1.14	3.0	40 - 80,000	91
SRC1715	Custom-fit coaxial 2-way	165 mm	25 mm	●	●	●	●	●	●	140	30	70	1.40	12.3	30 - 30,000	91	
SRC1315	Custom-fit coaxial 2-way	130 mm	25 mm	●	●	●	●	●	●	120	30	90	1.11	3.7	40 - 30,000	90	
SRC1016	Custom-fit coaxial 2-way	100 mm	25 mm	●	●	●	●	●	●	100	25	115	1.00	1.4	45 - 30,000	90	
SRC1015	Custom-fit coaxial 2-way	100 mm	25 mm	●	●	●	●	●	●	100	25	115	1.00	1.4	45 - 30,000	90	
SRC4616	Custom-fit coaxial 2-way	100 x 150 mm	25 mm	●	●	●	●	●	●	100	25	125	1.56	1.9	45 - 30,000	90	
SRC5715	Custom-fit coaxial 2-way	130 x 180 mm	25 mm	●	●	●	●	●	●	140	35	75	1.49	26.2	35 - 30,000	91	