07 AMPLIFIERS SUBWOOFERS

AT THE SUMMIT OF CAR SOUND ALL LISTENER'S IDEALS BECOME REALITY.

Upgrade your system with polished circuit designs and unwavering power to a level of power and sound excellence that leaves no one in doubt.
Digital circuitry renders tones and reverberation that have been inaudible unit now to their fullest.



APA4320

4 × 160W BRIDGEABLE POWER AMPLIFIER

4/3/2 ch. Power AMP | MAX 640W | MOS-FET Power AMP | BASS Extender | LPF/HPF | Lead-Free Solder

• 4/3/2 channels bridgeable mode operation • 640 watts of maximum music power (4-channel × 160 watts into 4 ohms)
• Continuous average power output: 320 watts (4-channel × 80 watts into 4 ohms) • Typical bridged power output: 2-channel × 230 watts @ 0.2% THD • Typical 2-ohm stereo power output: 4-channel × 115 watts @ 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 car stereos • Soft mute On/Off circuitry • Gold plated isolated massive speaker and power supply connectors



APA2160

2 × 160W BRIDGEABLE POWER AMPLIFIER

2/1 ch. Power AMP | MAX 320W | MOS-FET Power AMP | BASS Extender | LPF/HPF | Lead-Free Solder

• 2/1 channels bridgeable mode operation • 320 watts of maximum music power (2-channel ×160 watts into 4 ohms)
• Continuous average power output: 160 watts (2-channel × 80 watts into 4 ohms) • Typical bridged power output: 1-channel × 250 watts @ 0.2% THD • Typical 2-ohm stereo power output: 2-channel × 125 watts @ 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 car stereos • Soft mute On/Off circuitry • Gold plated isolated massive speaker and power supply connectors



DPX11500

1500W MONO POWER AMPLIFIER

1 ch. Power AMP | LPF | MOS-FET Technology | MAX 1500W

• 1500 watts of maximum music power • 1-channel × 800 watts into 4 ohms, 20Hz-20kHz @ < 0.05%THD • 1-channel × 1500 watts into 1 or 2 ohms, 20Hz-20kHz @ <0 .1%THD • Adjustable subsonic filter, 10-80Hz • Remote control included • Input voltage selector • Precise frequency selector • Variable bass boost; 0-15dB @ 30-125Hz • Adjustable -12dB/oct. Low pass crossover, 50-250Hz • Gold plated connectors; RCA/speaker/power • Speaker level input



APX4240

400W 4/3/2 CHANNEL POWER AMPLIFIER

4/3/2 ch. Power AMP | LPF/HPF

• 400 watts of maximum music power • 4-channel × 60 watts into 4 ohms, 20Hz-20kHz @ < 0.1%THD • 4-channel × 90 watts into 2 ohms, 20Hz-20kHz @ < 0.1%THD • Selectable bass boost; 0dB/6dB/12dB @ 50Hz • Independent front/rear adjustable -12dB/oct. High/Low pass crossover, 50Hz-300Hz • Gold plated connectors; RCA/speaker/power • Speaker level inputs

APX2120

200W 2/1 CHANNEL POWER AMPLIFIER

2/1 ch. Power AMP | LPF/HPF

• 200 watts of maximum music power • 2-channel × 60 watts into 4 ohms, 20Hz-20kHz @ < 0.1%THD • 2-channel × 90 watts into 2 ohms, 20Hz-20kHz @ < 0.1%THD • Selectable bass boost; 0dB/6dB/12dB @ 50Hz • Adjustable -12dB/oct. High/Low pass crossover, 50Hz-300Hz • Gold plated connectors; RCA/speaker/power • Speaker level input



APX1300

400W MONO POWER AMPLIFIER

1 ch. Power AMP | LPF/HPF | MOS-FET Technology | MAX 400W

• 400 watts of maximum music power • 1-channel × 300 watts into 4 ohms, 20Hz-20kHz @ < 0.1%THD • 1-channel × 400 watts into 2 ohms, 20Hz-20kHz @ < 0.1%THD • Selectable bass boost; 0dB/6dB/12dB @ 50Hz • Adjustable -12dB/oct. Low pass crossover, 50Hz-300Hz • Gold plated connectors; RCA/speaker/power • Speaker level input



Amplifiers specification

	APA4300HX	APA4320	APA2160	DPX11500	APX4240	APX2120	APX1300
AMPLIFIER BASIC INFORMATION							
Continuos power output (20~20,000 Hz, 4 ohms)	4 × 75W (4-ch.operation)	4 × 80W (4-ch.operation)	2 × 80W (2-ch.operation)	1 × 800W (1-ch.operation)	4 × 60W (4-ch.operation)	2 × 60W (2-ch.operation)	1 × 300W (1-ch.operation)
Maximum power output (Watts)	4 × 150 W	4 × 160 W	2 × 160 W	1 × 1500 W	4 × 100 W	2 × 100 W	1 × 400 W
Frequency responde (Hz)	5 to 100,000 (±1dB)	10 to 50,000 (±1dB)	10 to 50,000 (±1dB)				
S/N ration at min. volume	112dB	100dB	100dB	72dB	80dB	85dB	68dB
Power consumption	48A	37A	19A				
Weight (Kg)	5.0	3.9	2.7				
Dimensions (W × H × D), mm	280 × 65 × 288	165 × 56 × 409	165 × 56 × 287				

Our designers and engineers don't just think about bass, they live, eat and breathe it. From the subtle nuances of an acoustic string bass to the mirror shaking beats of a synthesizer or drum machine. Featuring quality construction and ingenuity, Clarion subwoofers are up to the task. Our PXW and SW Subwoofers offer incredible performance and value exceed the expectations of the most concerning listener, you!

Subwoofers that sound as good as they look



PXW1552

38 CM [15″] SUBWOOFER

• 1500 watts of maximum music power • 750 watts RMS • Dual 4-ohm heat resistant voice coils • Polypropylene electrolytic spun aluminum coated dust cap design • Kevlar/paper composite cone design • Co-polymer composite high excursion surround • Dual strontium ferrite magnet motor assembly • Hyper-extended vented pole piece • Dual gold plated block terminals • Linear poly-cotton spider with integrated tinsel leads • S.E.T. (Spider Exhaust Technology) cooling • Custom designed die cast aluminum • Hidden screw mounting gasket



PXW1252

30 CM [12″] SUBWOOFER

• 1000 watts of maximum music power • 500 watts RMS • Dual 4-ohm heat resistant voice coils • Polypropylene electrolytic spun aluminum coated dust cap design • Kevlar/paper composite cone design • Co-polymer composite high excursion surround • Dual strontium ferrite magnet motor assembly • Hyper-extended vented pole piece • Dual gold plated block terminals • Linear poly-cotton spider with integrated tinsel leads • S.E.T. (Spider Exhaust Technology) cooling • Custom designed die cast aluminum • Hidden screw mounting gasket



PXW1052

25 CM [10″] SUBWOOFER

• 1000 watts of maximum music power • 500 watts RMS • Dual 4-ohm heat resistant voice coils • Polypropylene electrolytic spun aluminum coated dust cap design • Kevlar/paper composite cone design • Co-polymer composite high excursion surround • Dual strontium ferrite magnet motor assembly • Hyper-extended vented pole piece • Dual gold plated block terminals • linear poly-cotton spider with integrated tinsel leads • S.E.T. (Spider Exhaust Technology) cooling • Custom designed die cast aluminum • Hidden screw mounting gasket



PFW1051

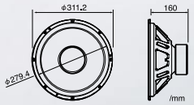
25 CM [10″] SINGLE VOICE COIL

• 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

SW1251

12″ SINGLE 4-OHM VOICE COIL SUBWOOFER

• 700 watts of maximum music power • 250 watts RMS • Single 4-ohm heat resistant voice coil • Polypropylene electronic spun aluminum dust cap • Fiber glass / paper cone design • Nitrile butadiene rubber high excursion surround • Dual strontium ferrite magnets • Hyper extended vented pole piece • Spider exhaust technology (SET) cooling • Dual gold plated terminal blocks • Linear cotton spider with integrated tinsel leads • Custom stamped steel powder coated chassis

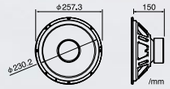




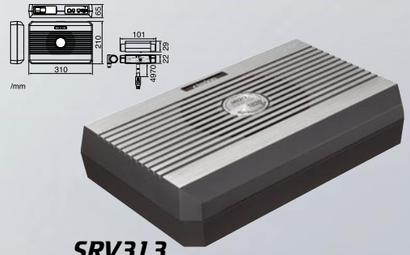
SW1051

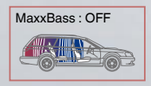
10″ SINGLE 4-OHM VOICE COIL SUBWOOFER

• 600 watts of maximum music power • 300 watts RMS • Single 4-ohm heat resistant voice coil • Polypropylene electronic spun aluminum dust cap • Fiber glass / paper cone design • Nitrile butadiene rubber high excursion surround • Dual strontium ferrite magnets • Hyper extended vented pole piece • Spider exhaust technology (SET) cooling • Dual gold plated terminal blocks • Linear cotton spider with integrated tinsel leads • Custom stamped steel powder coated chassis



ACTIVE SUBWOOFER







Stick wired remote control

SRV313

SLIM DESIGN 17 CM [6 1/2″] ACTIVE SUBWOOFER

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

*"Maxx Bass" is a patent of KS-Wares."Maxx Bass" is a registered of KS-Wares.



SRV202

20 CM [8″] ACTIVE SUBWOOFER

• 120 W high power amplifier with low-pass filter • Dual voice coil woofer with strontinium 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

	Reproduction system	Titanium metallised MIPP cone woofer	Speaker size	Double-stacked powerful strontium magnet	Seamless parabolic cone structure for dynamic bass response	Aluminium die-cast frame and cooling spacer for higher power handling	4-ohm voice coil	Rear-vented pole piece	Rubber surround	Dual neodymium magnet	Wired remote control	Edgewise voice coil	Music peak power (W)	Continuous power (W)	Frequency response (Hz)	Efficiency (dB 1W/m)	Fs (Hz)	Qts	Vas (Litres)
SRM3093HX	Subwoofer	●	30 cm	●	●	●	Single	●	●			●	1200	300	15~1,500	93	29	0.55	135.6
PXW1552	Subwoofer		38 cm	●	●	●	Dual	●	●				1500	750					
PXW1252	Subwoofer		30 cm	●	●	●	Dual	●	●				1000	500					
PXW1052	Subwoofer		25 cm	●	●	●	Dual	●	●				1000	500					
PFW1051	Subwoofer		25 cm	●	●	●	Single	●					600	300					
SW1251	Subwoofer																		
SW1051	Subwoofer																		
SRV313	Active Powered Subwoofer		17 cm				Dual			●	●		120	60	30~200				
SRV202	Active Powered Subwoofer		20 cm				Dual						120	60	20~200				

07 SPEAKERS

POWERED TO PERFORM, CREATED TO OVER-WHELM

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



120 kHz-playback Tweeters

Special tweeters were developed that employ a silk dome and dual neodymium magnets in pursuit of rich harmonic elements. With industry-pioneering 120 kHz playback, performance is good enough even for DVD audio, SADC, and other next-generation media in excess of the audible frequency range. Wide-range properties with room to spare let you enjoy stable treble even in regular CD playback.

Variable Angles

Tweeters are compatible with two-way setup thanks to removable bases that allow installation on either the dashboard or 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.

In-Phase Coaxial Construction Produces Outstanding Acoustic Image Orientation

A key component to experiencing naturalsound imaging and staging is In PhaseCoaxial Design. The tweeter's "In Phase" configuration minimises the phase differ-ential between the woofer and tweeter,and prevents the time lag between highand low frequency sounds from beingaudible to the listener.

Glass-fibre Cone

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

Heat Generation Suppressing Rear-bend-ed Pole Piece

A vent construction that penetrates to the back plate has been adopted for the ball piece of the woofer. Smooth stroke of the diaphragm is realised by a combination of suppressing heat generation that accompanies increased output, and further raising the amount of air discharged from within the woofer duct

High Signal Transferability OFC Voice Coil

Extremely pure 4N (99.995%) OFC (oxygen free copper) that boasts extremely high signal transferability compared to general TPC (tough-pitch copper wire) has been utilised for the very densely coiled voice coil wire. Because impurities such as oxygen almost never occur, tones are expressed sharply, and mid-range tones are smoothly reproduced.

Multi-axial 3WAY Covering the Super-Upper Register

3WAY configuration unifying the woofer, mid-range and tweeter. A more real wide-range of sound can be reproduced because the range of sound from 28Hz bass sound to 35kHz super-upper register sound is covered

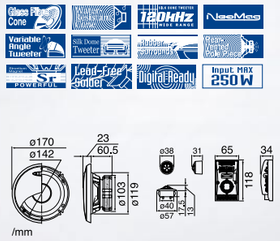
Lightweight, Highly Rigid MIPP Cone Woofer

An MIPP (Metalised injection PP) cone woofer that combines polypropylene with a metal covering process is used, enabling the lightweight and high-rigidity required in speaker materials. These allow for high-speed response that supports digital sound sources with plenty of room to spare, and a clear tone quality with very little distortion.

Component systems

SRS1686

16 CM [6 1/2"] 2-WAY COMPONENT SPEAKER SYSTEM

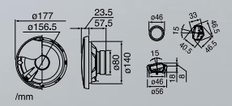




SRS1726

16.5 CM [6 1/2"] 2-WAY COMPONENT SYSTEM

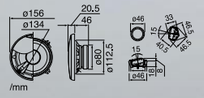






SRS1326

13 CM [5 1/4"] 2-WAY COMPONENT SYSTEM



	Reproduction system	Glass fibre cone woofer with rubber surround	Titanium metallised MIPP cone woofer	Pure silk dome tweeter with dual neodymium magnet	Metallised PEI balanced-dome tweeter	2-way mounting tweeter	Rear-vented piece woofer	Full OFC wire	Variable angle tweeter	High grade 12dB/oct 2 way crossover network with level attenuator (0, -3dB)	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)	
SRS1752HX	2-way component system	165 mm		20 mm		●	●	●	●	●	●		120kHz	300	55	50	0.67	15.6	25~120,000	91	
SRS1686	2-way component system	160 mm		20 mm		●	●		●	●	●		120kHz	250	45	85	1.18	3.9	28~120,000	91	
SRS1726	2-way component system		165 mm		25 mm	●	●		●		●	●	35kHz	250	40	60	0.66	25.5	28~35,000	92	
SRS1326	2-way component system		130 mm		25 mm	●	●		●		●	●	35kHz	200	40	80	0.66	6.4	40~35,000	90	

Unlike conventional 2-way speakers, these feature a tweeter that is mounted on the same axis and the same plane as the woofer diaphragm. The sound waves emanating from the tweeter are in-phase with the woofer, delivering frequency response that is flatter throughout the sound spectrum including the crossover frequencies, as well as a dramatic reduction in phase distortion. The tweeter guard is designed to protect the tweeter dome while minimising interference.

In-Phase coaxial

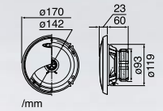
SRR6986

15 × 23 CM [6″ × 9″]
IN-PHASE COAXIAL 2-WAY



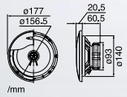
SRR1686

16 CM [6 1/2″]
IN-PHASE COAXIAL 2-WAY



SRX1785

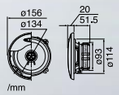
16.5 CM [6 1/2″] IN-PHASE
COAXIAL 2-WAY





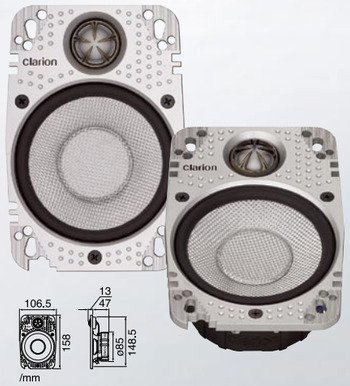
SRX1385

13 CM [5 1/4″] IN-PHASE
COAXIAL 2-WAY



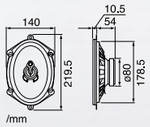
SRC4696

10 × 15 CM [4″ × 6″] CUSTOM-FIT
PLATE 2-WAY



SRC5736

13 × 18 CM [5″ × 7″]
CUSTOM-FIT MULTIAXIAL 3-WAY





SRC5716

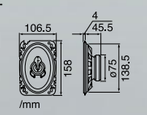
13 × 18CM [5″ × 7″]
CUSTOM-FIT COAXIAL 2-WAY





SRC4617

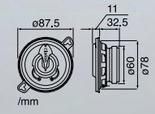
10 × 15 CM [4″ × 6″] CUSTOM-FIT
COAXIAL 2-WAY





SRC916

9 CM [3 1/2″] CUSTOM-FIT
COAXIAL 2-WAY



	Reproduction system	Glass fibre cone woofer with rubber surround	Pure silk dome tweeter with dual neodymium magnet	In-phase coaxial design for best sound quality and imaging	Powerful strontium magnet for dynamic bass response	Extremely high frequency reproduction	Music peak power (W)	Continuous power (W)	Fs (Hz)	Qts	Vas (Litres)	Frequency response (Hz)	Efficiency (dB/W/m)
SRR1686	In-Phase Coaxial 2-way	160 mm	20 mm	●	●	120kHz	250	45	85	1.08	4.5	30~120,000	90
SRR6986	In-Phase Coaxial 2-way	150 x 230 mm	25 mm	●	●	80kHz	350	50	45	0.59	29.6	25~80,000	92
SRX1785	In-Phase Coaxial 2-way	165 mm	20 mm	●	●	120kHz	250	45	75	0.93	4.2	28~120,000	91
SRX1385	In-Phase Coaxial 2-way	130 mm	20 mm	●	●	120kHz	200	40	90	0.86	3.3	35~120,000	90

	Reproduction system	Glass fibre cone woofer with rubber surround	Titanium metallised MIPP cone woofer	MIPP cone woofer	Pure silk dome tweeter with neodymium magnet	Metallised PEI balanced-dome tweeter	Metallised piezo dome tweeter	Metallised PEI balanced-dome tweeter	Rear-vented piezo woofer	Powerful strontium magnet for dynamic bass response	Extremely high frequency reproduction	Music peak power (W)	Continuous power (W)	Fs (Hz)	Qts	Vas (Litres)	Frequency response (Hz)	Efficiency (dB/W/m)
SRC4696	2-way plate	●			●				●	●	120 kHz	150	35	105	0.71	1.3	40~120,000	90
SRC5736	Custom-fit multiaxial 3-way		●				●	●		●		200	35	75	0.78	14.2	35~32,000	92
SRC5716	Custom-fit coaxial 2-way			●		●				●		150	30	75	0.84	15.8	35~30,000	91
SRC4617	Custom-fit coaxial 2-way			●		●				●		120	25	100	0.79	4.1	45~30,000	91
SRC916	Custom-fit coaxial 2-way			●		●				●		60	20	190	1.26	1.8	60~30,000	89

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 factory door speaker location. Powerful Neodymium magnets are used for increased imaging accuracy.

Phaze-1 speakers

SRR6946

15 × 23 CM [6"× 9"] MULTIAXIAL 4-WAY



Input MAX 350W

SRR1646

16 CM [6 1/2"] MULTIAXIAL 4-WAY



Input MAX 280W

SRR1636

16 CM [6 1/2"] MULTIAXIAL 3-WAY



Input MAX 230W

SRR1336

13 CM [5 1/4"] MULTIAXIAL 3-WAY



Input MAX 170W

SRR2036

20 CM [8"] MULTIAXIAL 3-WAY



Input MAX 350W

SRR6916

15 × 23 CM [6"× 9"] MULTIAXIAL 3-WAY



Input MAX 250W

SRR1616

16 CM [6 1/2"] COAXIAL 2-WAY



Input MAX 180W

SRR1326

13 CM [5 1/4"] COAXIAL 2-WAY



Input MAX 140W

SRR1736

16.5 CM [6 1/2"] MULTIAXIAL 3-WAY



Input MAX 230W

SRR1726

16.5 CM [6 1/2"] COAXIAL 2-WAY



Input MAX 200W

SRR1028

10 CM [4"] COAXIAL 2-WAY



Input MAX 120W

SRH206

2.5 CM [1"] BALANCED DRIVE TWEETER



Variable Angle Tweeter

Input MAX 200W

	Reproduction system	Titanium metallised TM-MIPP cone woofer	MIPP cone woofer	Metallised PEI cone mid-range	Metallised piezo dome tweeter	Metallised PEI balanced-drive mid-range	Powerful strontium magnet for dynamic bass response	Music peak power (W)	Continuous power (W)	Fs (Hz)	Qts	Vas (Litres)	Frequency response (Hz)	Efficiency (db/W/m)
SRR6946	Multiaxial 4-way	150 × 230 mm		●	●		●	350	50	55	0.54	35.3	28–35,000	92
SRR1646	Multiaxial 4-way	160 mm			●	●	●	280	45	75	0.59	9.5	30–35,000	91
SRR2036	Multiaxial 3-way	200 mm		●	●		●	350	50	55	0.58	25.6	25–32,000	92
SRR6916	Multiaxial 3-way		150 × 230 mm	●	●		●	250	40	60	0.74	30.0	28–32,000	92
SRR1736	Multiaxial 3-way	165 mm				●	●	230	40	75	0.77	10.7	28–32,000	91
SRR1726	Coaxial 2-way	165 mm					●	200	40	75	0.77	10.7	28–30,000	91

	Reproduction system	Titanium metallised MIPP cone woofer	MIPP cone woofer	Metallised PEI balanced-drive tweeter	Metallised piezo dome tweeter	Metallised PEI balanced-drive mid-range	2-way mounting tweeter	Powerful strontium magnet for dynamic bass response	Music peak power (W)	Continuous power (W)	Fs (Hz)	Qts	Vas (Litres)	Frequency response (Hz)	Efficiency (db/W/m)
SRR1636	Multiaxial 3-way	160 mm		●	●			●	230	40	75	0.59	9.5	30–32,000	91
SRR1336	Multiaxial 3-way	130 mm		●	●			●	170	30	85	0.60	4.3	40–32,000	91
SRR1616	Coaxial 2-way		160 mm	●				●	180	25	75	0.48	11.8	30–30,000	91
SRR1326	Coaxial 2-way	130 mm		●				●	140	30	85	0.60	4.3	40–30,000	91
SRR1028	Coaxial 2-way	100 mm		●				●	120	30	120	0.70	1.5	45–30,000	90
SRH206	Balanced drive tweeter			25mm			●		200	40				2,500–30,000	90