

# Infinity® Kappa® Series

Flagship automotive speakers



## True High Fidelity for the Car

Upgraded automotive speakers for both factory and custom locations

Truly great audio is a passion few experience in the automotive environment. With the cutting-edge Kappa® Series, Infinity® engineers take the sound in your car to a whole new dimension. The Infinity brand has a pedigree of innovation in reference-quality audio reproduction, and much of that technology is ingrained in the DNA of the Kappa Series flagship automotive speakers. Featuring proprietary Injected Carbon Glass Matrix frames, patented formed glass-fiber Plus One® (patent no. 7,548,631 B2) woofer cones and edge-driven fabric soft-dome tweeters on all models, the Infinity Kappa Series has what it takes to turn any car's audio system into a high-fidelity lover's dream system. Even the low-hysteresis polypropylene capacitors and low-loss air-core inductors in the passive filter networks are special and ultra-high quality. The whole Kappa line is engineered with incredible attention to detail, right down to the soft-touch rubberized finish on the protective grilles. Rigorous development and testing ensure the Kappa Series is held to the highest automotive-grade reliability standards, and each model is individually voiced and performance-tested for sonic quality and ultra-low distortion. One listen to these speakers and you too will be hooked. It's true high fidelity for the car.

## Highlights

**Complete high-end speaker series featuring the most popular speaker sizes, both oval and round** – Infinity Kappa Series has speakers for popular applications to upgrade your present system's performance by simply replacing its speakers or fitting them in custom locations like kick panels, doors or rear decks. Round sizes in 5-1/4" (130mm) and 6-1/2" (165mm), both coaxial and component models, as well as three oval sizes including a 4" x 6" component plate, a 5" x 7"/6" x 8" replacement-size speaker and a three-way 6" x 9" model are offered. The Kappa Series has it covered.

**Glass-fiber speaker frames** – Kappa automotive speakers benefit from light and strong composite materials. With the proprietary Injected Carbon Glass Matrix frames, Kappa Series speakers resist the environmental extremes of the car. They offer superior rigidity even when mounted on uneven surfaces (common in car mounting locations) and exceptional damping of any resonances.

**Plus One woofer cones** – With a greater radiating area than conventional speakers of the same size, Plus One cones can play louder with smaller amplifiers, increase bass output to eliminate bothersome road noise and deliver increased performance, without making you modify your vehicle.

**Edge-driven, textile-dome tweeter** – The Kappa Series' tweeter provides greater power handling and lower distortion than conventional tweeters, improves integration with the midrange/woofer driver and upgrades audio clarity and presence.

**High-quality passive filter network** – The passive filter components in the crossover network of the Kappa Series use only the best components including polypropylene capacitors, air-core inductors and high-quality resistors.

**Soft-touch rubber finish grilles** – Many of the Kappa Series speakers also come with upscale-looking protective grilles.

**Kappa Series premium automotive speakers** benefit from every Infinity innovation that has come before, including several unique patented features not found in other car speakers. Experience the true high fidelity.

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## Key Features

### All Kappa Series Speakers

- Injected Carbon Glass Matrix frames
- Vented motor assembly for better voice-coil cooling
- Plus One woofer cones
- Edge-driven fabric dome tweeter for smooth response
- Ultra-high frequency response (up to 35kHz)
- Ultra-high sensitivity (93-96dB @ 2.83V/1m)
- 2-ohm nominal impedance
- 0 or +3dB push-button tweeter level control
- Gold-plated screw-type speaker terminals
- Protective grilles w/soft rubber finish (except 462.11cfp)
- Easy model number nomenclature
  - i - integrated (coaxial or three-way, standard size)
  - cf - custom-fit (fits in factory locations 682.11cf)
  - cfp - custom-fit in an integrated plate (462.11cfp)
  - cs - component separates (mid/tweeter/xover)
  - t - individual tweeter (10.11t)

### Kappa Series Components

- 6-1/2" (165mm) or 5-1/4" (130mm) woofer
- 3/4" (20mm) edge-driven fabric soft-dome tweeter
- Dedicated 12dB/octave passive crossover using low-hysteresis capacitors and air-core inductors
- Increased power handling over coaxial versions
- I-Mount™ system (patent no. 5,859,917)

### Kappa Series Coaxials

- UniPivot™ (patent no. 6,002,780) tweeter on most coaxial models
- 1" (25.4mm) tweeter on all models except 462.11cfp
- Similar high-quality crossover parts as components

### Kappa Series 693.11i 6" x 9"

- Three-way speaker with an amazing 96dB sensitivity and 1" (25.4mm) tweeter

## Specifications

### Kappa 52.11i

Type: 5-1/4" (130mm) two-way car audio loudspeaker  
Peak power handling: 165W  
Power handling, continuous average: 55W RMS  
Recommended amplifier RMS power range: 5W – 75W  
Frequency response: 55Hz – 25kHz  
Nominal impedance: 2 ohms  
Sensitivity (2.83V/1m): 94dB

### Kappa 62.11i

Type: 6-1/2" (165mm) two-way car audio loudspeaker  
Peak power handling: 225W  
Power handling, continuous average: 75W RMS  
Recommended amplifier RMS power range: 5W – 125W  
Frequency response: 45Hz – 25kHz  
Nominal impedance: 2 ohms  
Sensitivity (2.83V/1m): 95dB

### Kappa 693.11i

Type: 6" x 9" three-way car audio loudspeaker  
Peak power handling: 330W  
Power handling, continuous average: 110W RMS  
Recommended amplifier RMS power range: 5W – 200W  
Frequency response: 35Hz – 30kHz  
Nominal impedance: 2 ohms  
Sensitivity (2.83V/1m): 96dB

### Kappa 462.11cfp

Type: 4" x 6" custom-fit two-way component plate system  
Peak power handling: 180W  
Power handling, continuous average: 60W RMS  
Recommended amplifier RMS power range: 5W – 100W  
Frequency response: 75Hz – 25kHz  
Nominal impedance: 2 ohms  
Sensitivity (2.83V/1m): 94dB

### Kappa 682.11cf

Type: 5" x 7" x 6" x 8" custom-fit two-way car audio loudspeaker  
Peak power handling: 300W  
Power handling, continuous average: 100W RMS  
Recommended amplifier RMS power range: 5W – 150W  
Frequency response: 40Hz – 25kHz  
Nominal impedance: 2 ohms  
Sensitivity (2.83V/1m): 94dB

### Kappa 50.11cs

Type: 5-1/4" (130mm) two-way car audio components w/xover  
Peak power handling: 255W  
Power handling, continuous average: 85W RMS  
Recommended amplifier RMS power range: 5W – 200W  
Frequency response: 55Hz – 35kHz  
Nominal impedance: 2 ohms  
Sensitivity (2.83V/1m): 93dB

### Kappa 60.11cs

Type: 6-1/2" (165mm) two-way car audio components w/xover  
Peak power handling: 270W  
Power handling, continuous average: 90W RMS  
Recommended amplifier RMS power range: 5W – 200W  
Frequency response: 45Hz – 35kHz  
Nominal impedance: 2 ohms  
Sensitivity (2.83V/1m): 93dB

### Kappa 10.11t

Type: 3/4" (20mm) edge-driven soft-dome tweeter w/xover  
Peak power handling: 150W  
Power handling, continuous average: 50W RMS  
Recommended amplifier RMS power range: 5W – 75W  
Frequency response: 3.5kHz – 35kHz  
Nominal impedance: 2 ohms  
Sensitivity (2.83V/1m): 93dB