

KAPPA



kappa series

component systems

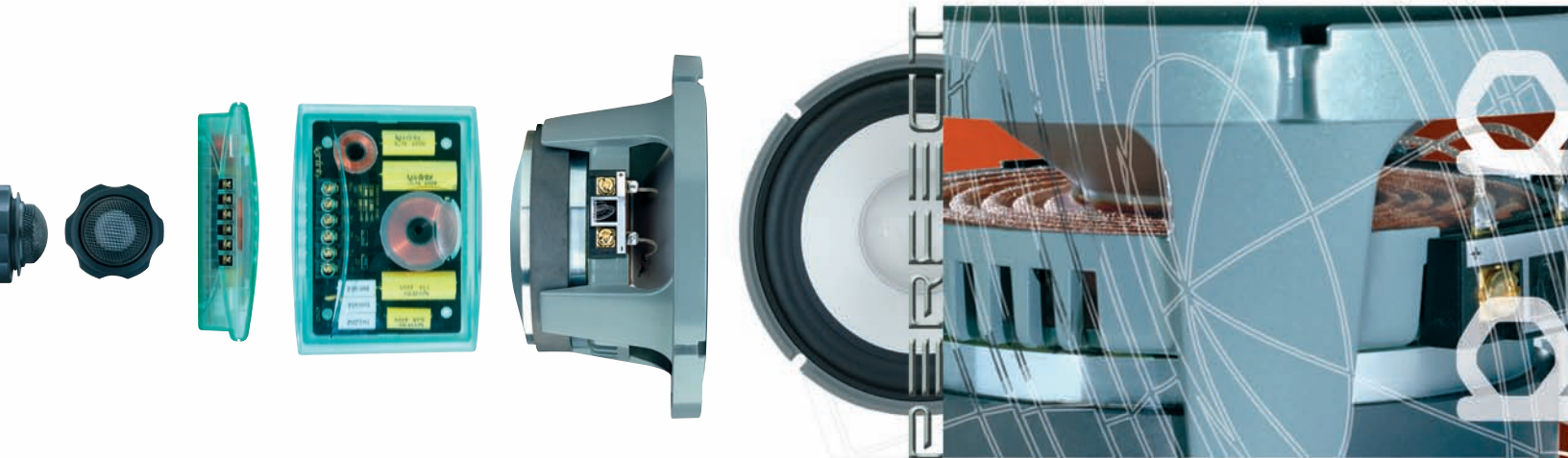


car audio

## INFINITY® KAPPA® PERFECT COMPONENT SYSTEMS

More than a quarter of a century has been dedicated by the engineers who build Infinity speakers to developing exceptional products and setting new standards in the audio industry. Perfect is a shining example of this ability to design car audio products that satisfy the most demanding listener. Kappa® Perfect component systems draw upon world-class audio engineering resources, resulting in systems that are nothing less than perfect.

 Infinity®



### THE PERFECT .1 WOOFER

employs the proprietary Focused-Field T-Pole Motor™ design, which concentrates the motor's magnetic energy at the voice-coil gap, avoiding the losses and lack of symmetry that cause audible distortion. The woofer cone's anodized-aluminum construction provides extremely high stiffness for its moving mass, allowing the Perfect .1 to reproduce deep-bass frequencies at surprisingly high levels, relative to cone size. The cone and motor structure are mounted in a cast-aluminum frame that maintains precision tolerances under the demanding vibration and temperature extremes of the mobile environment.

### THE PERFECT .1 TWEETER

features an anodized-aluminum dome suspended by a rubber surround and is driven by a powerful neodymium magnet. The unique rubber surround helps reduce the resonant frequency of the tweeter, thereby ensuring a linear transition to the midrange driver at the critical midband crossover frequency. The tweeter uses the Infinity I-Mount™ design (patent no. 5,859,917), which allows for easy installation.

### THE PASSIVE CROSSOVER

uses a 24dB/octave Linkwitz-Reily fourth-order acoustic alignment. This alignment allows greater mounting flexibility by eliminating the frequency response problems caused when the woofer and tweeter are mounted on different planes.

### AIR-CORE INDUCTORS

reduce magnetic saturation under high-power conditions, and polypropylene capacitors ensure near-ideal characteristics with low resistance and inductance, even at the highest reproduced frequencies.

**perfect5.1**  
5-1/4" (130mm) two-way  
component system

**1" (25mm) Tweeter,  
24dB-Octave Crossover,  
5-1/4" (130mm) Woofer**

Deep-anodized woofer cone with Focused-Field T-Pole Motor™

Edge-driven, deep-anodized tweeter with rubber surround

Outboard passive crossovers with Linkwitz-Reily acoustic alignment

I-Mount™ (patent no. 5,859,917) tweeter-mounting system

4-Ohm impedance

Sensitivity: 89dB

Frequency response: 80Hz – 23kHz, ±3dB

Power handling, RMS: 100 watts

Power handling, peak: 400 watts

**perfect6.1**  
6-1/2" (160mm) two-way  
component system

**1" (25mm) Tweeter,  
24dB-Octave Crossover,  
6-1/2" (160mm) Woofer**

Deep-anodized woofer cone with Focused-Field T-Pole Motor™

Edge-driven, deep-anodized tweeter with rubber surround

Outboard passive crossovers with Linkwitz-Reily acoustic alignment

I-Mount™ (patent no. 5,859,917) tweeter-mounting system

4-Ohm impedance

Sensitivity: 90dB

Frequency response: 75Hz – 23kHz, ±3dB

Power handling, RMS: 100 watts

Power handling, peak: 400 watts



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