TS-A6960F 6” x 9” 4-Way Coaxial Speaker System

- Twin polyethylene terephthalate (PET) hard dome tweeters
  - 11mm tweeter
  - 18mm tweeter
- 2-1/4” cellulose fiber cone midrange
- 6” x 9” carbon and mica reinforced Injection Molded Polypropylene (IMPP) cone construction
- Included multi-fit installation adapter to optimize fitment in applicable original equipment (OE) speaker locations

Features and Technology

- Tweeter / midrange bridge with integrated waveguide
- Optimized symmetrical motor design reproduces accurate sound
- High heat-resistant wire voice coil
- Twin lightweight polyethylene terephthalate (PET) piezoelectric crystal tweeters provide extended high frequency response
- Carbon and mica reinforced IMPP cone provides fast response and solid bass
- Elastic polymer surround
- Cellulose fiber midrange cone produces clear and natural sound with excellent frequency response characteristics

Upgrade Your Sound

- OPEN & SMOOTH™ delivers smooth frequency response and an expansive soundstage
- Clear high frequencies
- Deep, rich bass
- Low distortion, even at high output

Easy Installation

- Included 6” x 9” multi-fit installation adapters expand installation flexibility and improve acoustic performance

A-series sound design

- Powerful and well controlled bass
- High sensitivity and wide dynamic range
- Natural and clear vocals

OPEN & SMOOTH sound concept provides a seamless and smooth transition between the woofer and midrange / tweeter drivers and delivers uniform off-axis frequency response optimized for automotive applications where one or more speakers are often aimed away from the listeners’ ears.

Included multi-fit installation adapters
## Pioneer A-series 6" x 9" Coaxial Speaker Systems

<table>
<thead>
<tr>
<th></th>
<th>TS-A6960F</th>
<th>TS-A6970F (also available)</th>
<th>TS-A6990F (also available)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>System Type</strong></td>
<td>4-way Coaxial</td>
<td>5-way Coaxial</td>
<td>5-way Coaxial</td>
</tr>
<tr>
<td><strong>Sound Pressure Level (Sensitivity)</strong></td>
<td>89dB (± 1.5dB)</td>
<td>89dB (± 1.5dB)</td>
<td>90dB (± 1.5dB)</td>
</tr>
<tr>
<td><strong>Frequency Range</strong></td>
<td>35 Hz to 24 kHz</td>
<td>34 Hz to 25 kHz</td>
<td>22 Hz to 25 kHz</td>
</tr>
<tr>
<td><strong>Continuous Power Handling (RMS)</strong></td>
<td>90 Watts</td>
<td>100 Watts</td>
<td>120 Watts</td>
</tr>
<tr>
<td><strong>Maximum Peak Power Handling</strong></td>
<td>450 Watts</td>
<td>600 Watts</td>
<td>700 Watts</td>
</tr>
<tr>
<td><strong>Nominal Impedance</strong></td>
<td>4Ω</td>
<td>4Ω</td>
<td>4Ω</td>
</tr>
<tr>
<td><strong>Woofer Cone Diameter</strong></td>
<td>6&quot; x 9&quot;</td>
<td>6&quot; x 9&quot;</td>
<td>6&quot; x 9&quot;</td>
</tr>
<tr>
<td><strong>Woofer Cone Material</strong></td>
<td>Carbon and mica reinforced IMPP</td>
<td>Carbon and mica reinforced IMPP</td>
<td>Carbon and mica reinforced IMPP</td>
</tr>
<tr>
<td><strong>Surround Material</strong></td>
<td>Elastic polymer</td>
<td>Elastic polymer</td>
<td>Elastic polymer</td>
</tr>
<tr>
<td><strong>Woofer Magnet Material</strong></td>
<td>Ferrite</td>
<td>Ferrite</td>
<td>Ferrite</td>
</tr>
<tr>
<td><strong>Woofer Magnet Weight</strong></td>
<td>11.3 oz</td>
<td>12.7 oz</td>
<td>15.2 oz</td>
</tr>
<tr>
<td><strong>Mounting Depth</strong></td>
<td>2-7/8&quot;</td>
<td>2-7/8&quot;</td>
<td>3-3/8&quot; (Deep basket)</td>
</tr>
<tr>
<td><strong>Tweeter / Midrange Type</strong></td>
<td>11mm PET dome tweeter</td>
<td>11mm PET dome super tweeter</td>
<td>9mm PET dome super tweeter</td>
</tr>
<tr>
<td><strong>Crossover Frequency</strong></td>
<td>3,600 Hz</td>
<td>4,300 Hz</td>
<td>3,600 Hz</td>
</tr>
<tr>
<td><strong>Multi-fit Installation Adapters</strong></td>
<td>Included</td>
<td>Included</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Compatibility Examples

**Dimensions (mm) (inches)**

- **Woofer Cone Diameter**: 6" x 9" (152.4 x 228.6 mm)
- **Surround Material**: Elastic polymer
- **Woofer Magnet Material**: Ferrite
- **Woofer Magnet Weight**: 11.3 oz (320 g)
- **Mounting Depth**: 2-7/8" (73 mm)
- **Tweeter Type**: 11mm PET dome tweeter
- **Crossover Frequency**: 3,600 Hz
- **Multi-fit Installation Adapters**: Included

### Specifications

- **Power Handling**: 90 Watts RMS / 450 Watts Peak
- **Impedance**: 4Ω
- **Frequency Response**: 35 Hz to 24 kHz
- **Dimensions**: 6" x 9" (152.4 x 228.6 mm)

### Notes

- **WARNING**: Over time, your hearing “comfort level” adapts to higher volumes of sound, so that what sounds “normal” can actually be doing harm. To protect against hearing loss, set your equipment’s volume at a low setting, slowly increase it until you can hear it comfortably and clearly, and leave it there. Do not turn up the volume so high that you can’t hear what’s around you.

- **Protection**: Purchase from an Authorized Pioneer Dealer. Only products purchased from an Authorized Pioneer Dealer qualify for the manufacturer’s warranty and manufacturer’s rebates. Pioneer Electronics (USA) Inc., Post Office Box 1760, Long Beach, California 90801. Pioneer Customer Service Department: 1-800-PIONEER.

- **Compatibility**: Information provided for reference only and does not imply guaranteed compatibility with each model year of the vehicles shown. Consult your Authorized Pioneer Dealer to confirm vehicle compatibility.

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- **Brand**: Pioneer A-series full-range speakers available in additional sizes and applications:

  - TS-A6970F (also available)
  - TS-A6990F (also available)

- **Adapters**: Included

- **Frequency Range**: 35 Hz to 24 kHz

- **Woofer Cone Material**: Carbon and mica reinforced IMPP

- **Surround Material**: Elastic polymer

- **Woofer Magnet Material**: Ferrite

- **Woofer Magnet Weight**: 11.3 oz (320 g)

- **Mounting Depth**: 2-7/8" (73 mm)

- **Tweeter Type**: 11mm PET dome tweeter

- **Crossover Frequency**: 3,600 Hz

- **Multi-fit Installation Adapters**: Included

### Pioneer A-series full-range speakers available in additional sizes and applications:

- TS-A6960F, TS-A6970F (6" x 9")
- TS-A6880F (6" x 8")
- TS-A1670F, TS-A1680F (6-1/2")
- TS-A1370F (5-1/4")
- TS-A4670F (4" x 6")

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