**PRODUCT BRIEF**

Model: P1S4-10  
Type: SVC Subwoofer  
Power Rating: 250 Watts (RMS)  
Impedance: 4 ohms

**Features**
- Tear & fatigue resistant poly-cotton spider.
- High Density NBR (Nitrile Butadine Rubber) surround.
- High temp 2" voice coil with spun-laced Nomex™ insulating reinforcement collar
- Optimized motor magnetics with extended pole and bumped vented backplate.
- Fatigue resistant and reduced strain "stitched on" flexible lead wire design.
- Proprietary spider venting/cooling technique
- Multi-point high-temp/high-strength neck joint bonding technique.
- Sturdy 16 guage compound bend frame geometry
- Semi-flexible, PVC removable protective motor cover.
- Proprietary all metal, radially oriented compression input terminal assembly.
- Flex-fit™ Mounting pattern
- Soft-touch painted trim ring allows for optional integrated grill

**Recommended Applications**

**Thiele-Small Specifications**
- Fs (Hz): 30.0
- Re (Ohms): 3.60
- Le (mH): 2.8
- Qts: 0.51
- Qes: 0.61
- Qms: 3.00
- Cms (mm/N): 0.21
- Vas (L): 40.0
- Mms (g): 136.6
- Mmd (g): 132.5
- Rs (kg/s): 8.6
- Airload (g): 4.1
- No (%): 0.19
- SPL (dB - 1W/1M): 85.0
- BL (T*M): 12.3
- Xmax10 (mm): 9.4
- Sd (cm²): 370
- EBP: 49
- Krm (mOhms): 0.29
- Erm: 1.32
- Kxm (mH): 24.9
- Exm: 0.78
- Rem (Ohms): 29.92

* All parameters are derived using a laser velocity measurement method and verified with actual measured Mmd and Re. All dual voice coil models are wired in series. Xmax10 represents actual effective excursion at <10% THD.

Above specifications and dimensions comply with the CEA-2031 standard.

Specifications subject to change without notice.

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**Technical Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voice Coil Diameter</td>
<td>2.0 inches</td>
</tr>
<tr>
<td>Voice Coil Height</td>
<td>1.10 inches</td>
</tr>
<tr>
<td>Voice Coil Layers</td>
<td>4 layers</td>
</tr>
<tr>
<td>Magnetic Gap Height</td>
<td>0.39 inches</td>
</tr>
<tr>
<td>Linear Excursion (Xmax)</td>
<td>0.35 inches</td>
</tr>
<tr>
<td>Maximum Excursion (mech) pk-pk</td>
<td>2.05 inches</td>
</tr>
<tr>
<td>Magnet Weight</td>
<td>45 oz.</td>
</tr>
<tr>
<td>Woofer Displacement</td>
<td>2.4 liters</td>
</tr>
<tr>
<td>Net Weight</td>
<td>9.7 lbs.</td>
</tr>
<tr>
<td>Power Rating</td>
<td>250 RMS</td>
</tr>
</tbody>
</table>

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