• Extends the frequency range of the SC-6SA Plating System\(^1\) to 200 MHz

• Increases frequency accuracy

• Precision plating to load resonant frequency using “Measured FL” method

• No physical capacitor is required

• Uses existing filaments and crystal wheels

• Two Pass plating

• Over 40 different crystal parameter measurements including DLD and Spurious

• Measured parameters checked against user defined QC limits (No ring test required)

• Supports wheels with different number of positions (e.g. 72 or 144)

• Upgrade can be configured for a variety of plating system models

\(^1\) SC-6SA is a trademark of Showa Shinku Corporation, Japan

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>1 MHz to 200 MHz</td>
</tr>
<tr>
<td>Plating Performance</td>
<td>± 2 ppm* at series, typical</td>
</tr>
<tr>
<td>Typical Process Time (144 Position Wheel)</td>
<td>10 minutes + pump down time</td>
</tr>
<tr>
<td>Network Analyzer</td>
<td>S&amp;A 250B</td>
</tr>
</tbody>
</table>

* Proprietary measurement and calibration algorithms provide correlation to industry standard crystal measurement equipment.
SYSTEM CONFIGURATION

- S&A 250B Network Analyzer
- S&A 250B/6SA Relay Assembly
- 6SA Vacuum Feedthru Assembly
- Windows® based System Software
- S&A PCI TTL I/O Card
- IEC-444 PI Network
- Computer Requirement:
  Minimum 500 MHz Pentium III,
  full PCI slot with +5V & 3.3V power

SCREEN FORMAT

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