S&A

W-2200B DISC PALLET
DUAL CHAMBER TEMPERATURE TEST SYSTEM
With 250B-1 or 250C Network Analyzer

- Automated software based quartz crystal temperature test system
- Holds up to 1280 devices per run
- Standard sizes available include:

<table>
<thead>
<tr>
<th>TYPE</th>
<th>DISC CAPACITY</th>
<th>TOTAL CHAMBER CAPACITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMD 5 x 7mm</td>
<td>140</td>
<td>560</td>
</tr>
<tr>
<td>SMD 4.5 x 8mm</td>
<td>140</td>
<td>560</td>
</tr>
<tr>
<td>SMD 3.5 x 6mm</td>
<td>160</td>
<td>640</td>
</tr>
<tr>
<td>SMD 3.2 x 5mm</td>
<td>160</td>
<td>640</td>
</tr>
<tr>
<td>SMD 2.5 x 4mm</td>
<td>160</td>
<td>640</td>
</tr>
<tr>
<td>SMD HC-49U SMD</td>
<td>100</td>
<td>400</td>
</tr>
<tr>
<td>LEADED HC-45/49</td>
<td>100</td>
<td>400</td>
</tr>
</tbody>
</table>

- Custom SMD sizes available
- High speed fan mounted inside the chamber cover provides fast temperature soak time
- Disc pallet platform can be easily integrated into S&A 901A machine for automatic unloading / loading SMD devices

- Measures over 75 different parameters
- Parameter and curve fit characteristics checked against easy to define QC limits
- Crystals of different frequencies tested in a single temperature run
- All data published in a Microsoft Access™ database and can be exported to Microsoft Excel™ for custom data analysis
- Printouts are generated using Crystal Reports®

**SPECIFICATIONS**

250B-1 Frequency Range: 15 KHz to 220 MHz
250C Frequency Range: 15 KHz to 500 MHz
Frequency Correlation: ± 1 ppm* at series (typical)
Crystal power: 1 nW to 1000 uW (1 MHz to 50 MHz)
                      1 nW to 500 uW (>50 MHz to 200 MHz)
Temperature Stability: ± 0.1°
Example Throughput: 5 temperature points (-20 0 25 50 85) 1200 parts per hour

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

- S&A 250B-1 or 250C Network Analyzer
- Two S&A 2451 Switch Controllers
- Two S&A 4220 Temperature Test Chambers (LCO₂, LN₂, or Mechanical Refrigeration Cooling)
- Two IEC-444 Pi-Network Test Heads

- Windows® based System Software
- Printer (Optional)
- Computer Requirements:
  Minimum 500 MHz Pentium III
  One full PCI slot with +3.3V & 5V power,
  Windows 98®

SAMPLE REPORTS

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