The Cactus Technologies Slim SATA Solid State Drive (SSD) - 900S Series is a high capacity solid state flash memory product that complies with the serial ATA 2.6 standard and is functionally compatible with a SATA Hard Disk Drive. Cactus Technologies Slim SATA SSDs provide up to 64GB of formatted storage capacity.

CACTUS SLIM SATA FEATURES

- **INDUSTRY STANDARD SLIM SATA FORM FACTOR**
- **MODULE CAPACITIES**
  - 4GB to 64GB
- **SUPPORTS SATA I/II 1.5/3.0 GBPS TRANSFER RATE**
- **COMPLIANT WITH:**
  - Serial ATA 2.6 Spec
  - ANSI ATA 8 Spec
- **3.3V OPERATION**
- **UNIQUE ELECTRONIC DEVICE ID**
- **SMART LIFE CYCLE ANALYSIS OPTION**
- **SOLID STATE DESIGN**
- **RELIABILITY**
  - High Data Reliability
  - High Shock & Vibration Tolerances
  - Wide Operating Temp Range
- **4-MILLION HOUR MTBF**
- **5-YEAR WARRANTY**

**PERFORMANCE**

- **Read Data Transfer Rate**
  - up to 110MB/sec
- **Write Data Transfer Rate**
  - up to 90MB/sec

**RELIABILITY**

- Industrial Wear Leveling
- Industrial Error Checking & Correction
- Less Than 1 Error in 10^{14} Bits Read
- MTBF 4,000,000 Hours

**ENVIRONMENTAL & POWER**

- **Operating Temperature Range**
  - Standard: 0°C to 70°C
  - Extended: -45°C to +90°C

**POWER CONSUMPTION**

- **3.3V**
  - Read: 220mA
  - Write: 300mA
  - Sleep: 75mA

**SHOCK & VIBRATION**

- **Shock**: 3,000G
- **Vibration**: 20G peak-to-peak
## Cactus Technologies
### Slim SATA Solid State Drive (SSD)
#### 900S Series

**INDUSTRIAL GRADE SLIM SATA SSD**

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>SPECIFICATION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INTERFACE</strong></td>
<td>Slim SATA Serial ATA 2.6 Spec; ANSI ATA 8 Spec</td>
</tr>
<tr>
<td><strong>INTERFACE TRANSFER RATE</strong></td>
<td>3.0Gb/sec</td>
</tr>
<tr>
<td><strong>POWER REQUIREMENT</strong></td>
<td></td>
</tr>
<tr>
<td>DC Input Voltage</td>
<td>3.3V ± 10%</td>
</tr>
<tr>
<td>Sleep</td>
<td>75mA</td>
</tr>
<tr>
<td>Read</td>
<td>220mA</td>
</tr>
<tr>
<td>Write</td>
<td>300mA</td>
</tr>
<tr>
<td><strong>ENVIRONMENTAL SPECIFICATION</strong></td>
<td></td>
</tr>
<tr>
<td>Standard Temperature</td>
<td>0°C to 70°C</td>
</tr>
<tr>
<td>Extended Temperature</td>
<td>-45°C to +90°C</td>
</tr>
<tr>
<td>Humidity</td>
<td>8-95%, non-condensing</td>
</tr>
<tr>
<td>Acoustic Noise</td>
<td>0dB</td>
</tr>
<tr>
<td>Vibration</td>
<td>20G peak to peak max.</td>
</tr>
<tr>
<td>Shock</td>
<td>3000G max.</td>
</tr>
<tr>
<td>Altitude</td>
<td>100,000 feet max.</td>
</tr>
<tr>
<td><strong>RELIABILITY AND MAINTENANCE</strong></td>
<td></td>
</tr>
<tr>
<td>Endurance</td>
<td>2,000,000 erase cycles per block</td>
</tr>
<tr>
<td>MTBF</td>
<td>4,000,000 Hours</td>
</tr>
<tr>
<td>Data Reliability</td>
<td>less than 1 Error in $10^{14}$ bits read</td>
</tr>
<tr>
<td><strong>CARD CAPACITY</strong></td>
<td>4GB to 64GB</td>
</tr>
</tbody>
</table>

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