



### Features

- Non-volatile memory and no moving parts
- Up to 64GB storage capacity
- Up to 40 MB/s sustained read/write rate
- Compact design - only 9.5mm in height
- MIL-STD-810F and NEBS Level 3 compliant
- Advanced purge features that comply with government security guidance
- 7 year warranty

## Zeus 2.5-inch SATA Solid State Drive

Rugged memory and mass storage solutions

Memtech's Zeus 2.5-inch SATA Solid State Drive is a high-capacity, high-throughput, rugged memory and mass storage solution for mission-critical systems in a variety of industries. It is used as a drop-in replacement for standard rotating SATA hard disk drives.

### Specifications

**Capacity:**

Unformatted 4GB - 64GB

**Compatibility:**

High-speed serialized AT attachment, revision 1.0a, Serial ATA working group

**Performance:**

Sustained Read/Write 20 MB/s, 30 MB/s, 40 MB/s

**Physical:**

Form factor 2.5-inch  
Dimensions 100.2mm (L) x 69.8mm (W) x 9.5mm (H)  
Weight < 0.2 kg

**Environmental:**

Operating temperature Commercial: 0° C to + 70° C  
Industrial: -40° C to +85° C  
Storage temperature -55° C to +95° C  
Humidity 5% to 95% relative, non-condensing  
Operating altitude (maximum) 80,000 feet  
Operating shock 1,500G, MIL-STD-810F  
Operating vibration 16.3G RMS, MIL-STD-810F (random, 20Hz to 2000 Hz; 3 vibration axes)

## Specifications (continued)

### Power:

Input voltage	5VDC ± 5%
Typical consumption	Idle/standby: 2.2 W
	Sustained read/write: 2.2 W
	Sanitize: 3.1 W

### Compliance:

CE, UL, EN 55022 Class, CISPR 22 Class B, AS/NZS 3548 Class B, BSMI CNS 13438 Class B, CAN/CSA-V-3/2001.04 (VCCI), FCC Part 15 Class B, EN 61000-3-2, EN 61000-3-3, IEC 61000, MIL-STD-167-1, MIL-STD-810F, MIL-STD-901D

### Purge Features:

BasicPurge™	Erase solid state drive
RapidPurge™	Erase solid state drive in seconds
MilPurge™	Erase solid state drive in compliance with security guidance (DoD 5220.22-M, NSA 130-2, AFSSI 5020, AR 380-19, and Navso 5239)
Intelligent Destructive Purge™	Physically damages the flash media to make it totally unusable as media

### User Interface & Configuration:

Interface	SATA 1.5 gigabits per second
Firmware upgrade	Field upgrade capability
Format	Low-level format at factory; shipped with NTFS format
Drivers	None required

### Warranty:

7 years

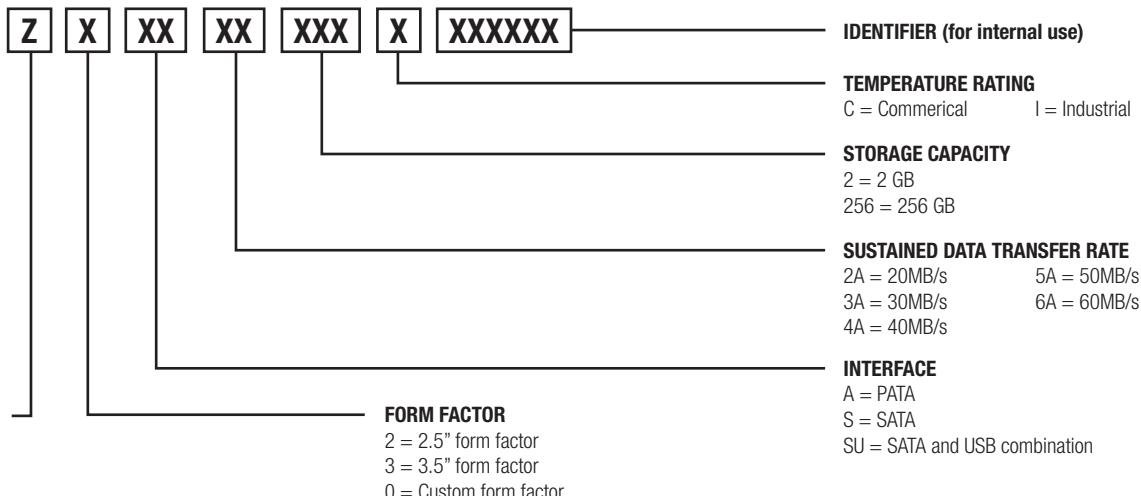
### Customization:

Form factor  
Sustained read/write throughput  
Storage capacity  
Purge features  
Conformal coating

### Manufacturing:

Santa Ana, CA, United States  
ISO 9001-2000 Certified

## Ordering Information



# Mouser Electronics

Authorized Distributor

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## STEC:

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[Z2S4A8C](#) [Z2S4A8I](#)