

## **Excellent Integrated System Limited**

Stocking Distributor

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[Virtium Technology Inc.](#)

[VSF302CC240G-100](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

# StorFly® 300

## MO-300 mSATA 6G SSD CE, XE and PE Classes



**Industrial Embedded  
Technology for our  
Interconnected World**

**StorFly 300 – Ideal for  
applications that require a  
form factor with a volume  
that is roughly 10% that  
of a 2.5-inch SSD**



**Designed, programmed, built  
and supported in the U.S. -  
fortified by locations  
worldwide.**

### Overview

Virtium's StorFly® 300 SSDs are designed for the unique capacity, workload and product longevity requirements of a broad range of embedded systems. As rugged storage solutions, StorFly 300 mSATA products meet MIL-STD-810F standards for shock, vibration and altitude.

Virtium backs its world-class storage products with a three or five year warranty and delivers the longest product life cycles in the industry.

### Applications

StorFly 300 mSATA SSDs can be designed into systems that implement SATA 3Gbps connectivity over a widely-used PCIe miniCard socket that has the added benefit of industry-standard clamping mechanism.

They are great for wearable or vehicle computers and other high shock and vibration applications that require a form factor with a volume that is less than 10% that of a 2.5-inch SSD.

### Features

- Standard and industrial temperature
- vtGuard Power-Fail Protection
- vtView software accessible
- Global static and dynamic wear leveling

## Specifications

<b>Interface</b>	SATA 6G (SATA III), 3G and 1.5G
<b>Voltage / Power</b>	5v / 1.7W
<b>UBER</b>	<1 sector error in $10^{15}$ bits read
<b>MTBF</b>	> 2M hours
<b>Environmental</b>	MIL-STD-810F
<b>Compliance</b>	ATA/ATAPI-8 (ACS-2), FCC, CE, UL, RoHS, WEEE
<b>Dimensions (mm)</b>	50.00 x 29.85 x 3.70



	Good	Better	Best
<b>Media</b>	MLC	iMLC	SLC
<b>Capacity</b>	30GB-480GB	30GB-480GB	8GB-256GB
<b>*Endurance</b>	1X Baseline	7X Baseline	30X Baseline
<b>Operating Temperature</b>	0° to 70°C	-40° to 85°C	-40° to 85°C
<b>Warranty</b>	3 Years	5 Years	5 Years

\* Endurance Baseline = one entire drive write per day for the entire warranty period.

## Ordering Information

**VSF302x(C/I)yyyG-zzz**

where:

<b>VSF</b>	Virtium StorFly
<b>302x</b>	Form factor and product class
<b>(C/I)</b>	Commercial / Industrial operating temp
<b>yyyG</b>	Capacity (1GB = 1,000,000,000 bytes)
<b>zzz</b>	Virtium proprietary

Virtium manufactures memory and storage solutions for the world's top industrial embedded OEMs. For two decades we have designed, built and supported our products in the USA - fortified by a network of global locations. Our world-class technology and unsurpassed support provide a superior customer experience that continuously results in better industrial embedded products for our increasingly interconnected world.

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