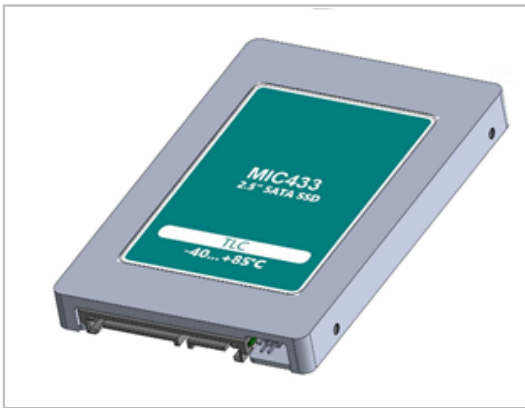


MIC433

2.5" SATA III SSD Memory Module



Features

- Form-factor: 2.5";
- Power supply voltage: 5 V DC \pm 5%;
- Power consumption: 3.25 W (5 V, 0.65 A)
- Weight (max): 0.1 kg;
- Dimensions (no more than): 100.3 mm x 69.85 mm x 9.5 mm;
- Resistance to vibration: from 10 to 500 Hz 5g;
- Options for protection/removal of data: write protection, fast memory erasure, protection against power failures;
- Operating temperature range: from - 40° C to +85°;
- MTBF: 1,500,000 hours.

Overview

The MIC433 memory module is a data storage device with SATA III interface based on the memory chips of the NAND-type, manufactured using the 3D-TLC (Triple-Level Cell) technology. The MIC433 module offers the following options for protection/removal of data:

- write protection;
- fast memory erasure;
- protection against power failures.

Activation of write protection or fast erasure functions is carried out by installing the jumper to the relevant pins of the plug-board of MIC433.

Technical Specifications

Form-factor

- 2.5"

Power supply voltage

- 5 V DC \pm 5%

Power consumption

- 3.25 W (5 V, 0.65A)

Dimensions (no more than)

- 100.3 X 69.85 X 9.5 mm

Weight (max)

- 0.1 kg

Operating temperature range

- from - 40 to +85 °C

Resistance to vibration

- from 10 to 500 Hz 5g

Resistance to single shocks

- 150 g.

Resistance to multiple shocks

- 25g.

MTBF

- 1,500,000 hours.



MIC433

2.5" SATA III SSD Memory Module

Ordering Information

MIC433 Configuration

MIK433 / Options

Configurations

| | |
|------------------|--|
| MIC433-01 | 512GB, fast data erasure, write protection |
| MIC433-02 | 1TB, fast erasure, write protection |
| MIC433-03 | 2TB, fast erasure, write protection |
| MIC433-04 | 680GB, pSLC, fast erasure, write protection, power failures protection |

Conformal coating option is available and is specified as **\COATED**

Speed performance and storage capacities available

| No | Ordering name | Capacity (GB) | Maximum serial transfer speed* (MB/s) | | Maximum speed of spurious transmission** (kIOPS) | | Available storage capacity (GB) |
|----|---------------|---------------|---------------------------------------|-------|--|-------|---------------------------------|
| | | | Read | Write | Read | Write | |
| 1 | MIC433-01 | 512 | 265 | 245 | 40 | 35 | 476 |
| 2 | MIC433-02 | 1024 | 530 | 490 | 80 | 70 | 952 |
| 3 | MIC433-03 | 2048 | 535 | 495 | 80 | 70 | 1904 |
| 4 | MIC433-04 | 680 | 500 | 450 | 90 | 80 | 635 |

* Data is obtained with CrystDiskMark 6.02 (1000M file size, serial access).

** Data is obtained using Iometer 1.1.0

Delivery checklist

MIC433 delivery checklist contains:

1. MIC433 2.5" SATA III SSD Memory Module
2. Packaging.

Corporate Offices

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Product specifications are subject to change without notice



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