

製品概要

NIS6452: Electronic Fuse, +3.3 V, +5 V

技術情報は、データシートをご参照ください。

The NIS64x2 is a cost effective, re-settable fuse which can greatly enhance the reliability of a hard drive or other circuit from both catastrophic and shutdown failures. It is designed to buffer the load device from excessive input voltage which can damage sensitive circuits and to protect the input side circuitry from reverse currents. It includes an over-voltage clamp circuit that limits the output voltage during transients but does not shut the unit down, thereby allowing the load circuit to continue its operation.

特長

- Fast Response Overvoltage Clamp Circuit
- Digital and Tristate Enable
- 42 mΩ Typical
- Integrated Reverse Current Protection
- Thermally Protected
- Integrated Soft-Start Circuit
- Internal Undervoltage Lockout Circuit

利点

- Limits the output voltage during transients but does not shut the unit down, thereby allowing the load circuit to continue its operation.
- Allows paralleling of eFuses as well as synchronizing turning on and off

アプリケーション

- Hard Drives
- Solid State Drives
- Mother Boards

最終製品

- Hard Drives and Solid State Drives

電気的仕様

| 製品 | Pricing (\$/Unit) | Compliance | Status | Type | V _I Max (V) | r _{DS(on)} Max (mΩ) | T _{SD} Typ (°C) | T _{hyst} Typ (°C) | Package Type |
|---------------|-------------------|--|--------|------------|------------------------|------------------------------|--------------------------|----------------------------|--------------|
| NIS6432MT1TWG | 0.3929 | Pb-free Halide free non AEC-Q and PPAP | Active | Latch | 14 | 60 | 150 | 25 | WQFN-12 |
| NIS6432MT2TWG | 0.3929 | Pb-free Halide free non AEC-Q and PPAP | Active | Auto-Retry | 14 | 60 | 150 | 25 | WQFN-12 |
| NIS6452MT1TWG | 0.4176 | Pb-free Halide free non AEC-Q and PPAP | Active | Latch | 14 | 60 | 150 | 25 | WQFN-12 |
| NIS6452MT2TWG | 0.4176 | Pb-free Halide free non AEC-Q and PPAP | Active | Auto-Retry | 14 | 60 | 150 | 25 | WQFN-12 |

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

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