

## Product Overview

### NIS5135: 5.0 V Electronic Fuse, eFuse

For complete documentation, see the data sheet.

The NIS5135 is a cost effective, resettable 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. It also includes an overvoltage clamp circuit that limits the output voltage during transients but does not shut the unit down, thereby allowing the load circuit to continue operation. Two thermal options are available, latching and auto-retry.

### Features

- Integrated Power Device
- Power Device Thermally Protected
- No External Current Shunt Required
- Internal Charge Pump
- Internal Undervoltage Lockout Circuit
- Internal Overvoltage Clamp
- ESD Ratings: Human body Model (HBM): 2000V Machine Model (MM): 200V
- These are Pb-Free Devices
- Auto Retry Option
- 68 mohm Typical

For more features, see the data sheet

### Applications

- Mother Board
- Hard Drives
- Fan Drives

### Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Type	V <sub>I</sub> Max (V)	r <sub>DS(on)</sub> Max (mΩ)	T <sub>SD</sub> Typ (°C)	T <sub>hyst</sub> Typ (°C)	Package Type
NIS5135MN1TXG	0.3933	Pb-free	Active	Latch Off	18	82	175	45	DFN-10
		Halide free							
NIS5135MN2TXG	0.3933	Pb-free Halide free	Active	Auto-Retry	18	82	175	45	DFN-10

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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