



## Product Overview

### NUP8011: Transient Voltage Suppressor, Low Clamping Voltage

For complete documentation, see the [data sheet](#)

#### Product Description

This integrated transient voltage suppressor device (TVS) is designed for applications requiring transient overvoltage protection. It is intended for use in sensitive equipment such as computers, printers, business machines, communication systems, and other applications. Its integrated design provides very effective and reliable protection for eight separate lines using only one package. These devices are ideal for situation where board space is at a premium.

#### Features

- Low Capacitance
- Low Leakage Current < 1µA @ 4.3V
- ESD Ratings: IEC61000-4-2, 8kV (Contact) Machine Model = Class C, 400V Human Body Model = Class 3B, 8kV
- UDFN Package, 1.2 x 1.8 mm
- Moisture Sensitivity Level 1
- This is a PB-Free Device
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#### Benefits

- Protects the Line Against Transient Voltage Conditions
- Minimize Power Consumption of the System
- Provides Protection for ESD Industry Standards: IEC 61000, HBM
- Minimize PCB Board Space

#### Applications

- ESD Protection for Data Lines
- Wireless Phones
- Handheld Products
- Notebook Computers
- LCD Displays

#### Part Electrical Specifications

Product	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	V <sub>BR</sub> Min (V)	V <sub>RWM</sub> Max (V)	I <sub>R</sub> Max (uA)	P <sub>PK</sub> Max (W)	Package Type
NUP8011MUTAG	Pb-free Halide free	Active	General I/O	8	Unidirectional	14	6.47	4.3	1	0.38	UDFN-8

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

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