



## Product Overview

### NUP3112UPMUTAG: Transient Voltage Suppressor, Quad, Ultra Low Capacitance

For complete documentation, see the data sheet

#### Product Description

The three-line voltage transient suppressor array is designed to protect voltage-sensitive components that require ultra-low capacitance from ESD and transient voltage events. This device features a common anode design which protects three independent high speed data lines and a Vcc power line in a single six-lead UDFN low profile package. Excellent clamping capability, low capacitance, low leakage, and fast response time make these parts ideal for ESD protection on designs where board space is at a premium. Because of its low capacitance, it is suited for use in high frequency designs such as USB 2.0 high speed.

#### Features

- Low Profile of 0.50mm
- Low Capacitance Data Lines (0.7 pF Typical)
- Protects up to Three Data Lines Plus a Vcc Pin
- UDFN Package, 1.6 x 1.6mm
- ESD Rating: IEC61000-4-2: Level 4 Contact (14 kV)
- Vcc Pin = 15V Protection
- D1, D2, and D3 Pins = 5.2V Minimum Protection
- This is a Pb-Free Device

#### Benefits

- For Ultra Slim Design

#### Applications

- USB 2.0 High-Speed Interface
- SIM Card Protection

#### End Products

- Cell Phones
- MP3 Players

#### 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
NUP3112UPMUTAG	Pb-free Halide free	Active	USB 2.0	4	Unidirectional	0.9	5.2	4	1		UDFN-6
SZNUP3112UPMUTAG	AEC Qualified PPAP Capable Pb-free Halide free	Active	USB 2.0	4	Unidirectional	0.9	5.2	4	1		UDFN-6

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