



## Product Overview

### NUP45V6: Low Capacitance 5.6 V Array for ESD Protection

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 to be used in sensitive equipment such as wireless headsets, PDAs, digital cameras, computers, printers, communication systems, and other applications. The integrated design provides very effective and reliable protection for four separate lines using only one package. This device is ideal for situations where board space is at premium.

#### Features

- ESD Protection: IEC61000-4-2; Level 4
- Four Separate Unidirectional Configurations for Protection
- Low Leakage Current < 1 A @ 3 V
- Small SOT953 SMT Package
- Low Capacitance
- These are Pb-Free Devices

#### Benefits

- Provides Protection for ESD Standards: IEC61000, HBM
- Protects Four Lines Against Transient Voltage Conditions
- Minimize Power Consumption of the System
- Minimize PCB Board Space

#### Applications

- Cellular and Portable Electronics
- Serial and Parallel Ports
- Microprocessor Based Equipment
- Notebooks, Desktops, and Servers

#### 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
NUP45V6P5T5G	AEC Qualified Pb-free Halide free	Active	General I/O	4	Unidirectional	11.5	5.3	3	1	14	SOT-953

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

Created on: 7/11/2015