



Product Overview

NUP412V: Low Capacitance 12 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. This 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 a premium.

Features

- ESD Protection: IEC61000-4-2: Level 4
- Four Separate Unidirectional Configurations for Protection
- Low Leakage Current < 1 μ A @ 9 V
- Small SOT-953 SMT Package
- Low Capacitance
- These are Pb-Free Devices

Benefits

- Provides Protection for ESD Industry 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, Servers

Part Electrical Specifications

Product	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	$V_{(BR)}$ Min (V)	V_{RWM} Max (V)	I_R Max (uA)	P_{PK} Max (W)	Package Type
NUP412VP5T5G	AEC Qualified Pb-free Halide free	Active	General I/O	4	Unidirectional	5	11.4	9	1	65	SOT-953

For more information please contact your local sales support at www.onsemi.com

Created on: 7/11/2015