

Product Overview

NUP45V6: Low Capacitance 5.6 V Array for ESD Protection

For complete documentation, see the data sheet.

This integrated surge protector device is designed for applications requiring protection against ESD and surge events. 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)	$V_{(BR)}$ Min (V)	V_{RWM} Max (V)	I_R Max (μ A)	P_{PK} Max (W)	Package Type
NUP45V6P5T5G	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.

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