



Product Overview

NUP5120X6: Transient Voltage Suppressor Array

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

Product Description

This 5-line voltage transient suppressor array is designed for applications requiring transient voltage protection capability. It is intended for use in over-transient voltage and ESD sensitive equipment such as cell phones, portables, computers, printers and other applications. This device features a monolithic common cathode design which protects 5 lines in a single SOT-563 package.

Features

- Protects up to 5 Lines in Single SOT-563 Package
- ESD Rating of Class 3B (Exceeding 8kV) per Human Body Model and Class C (Exceeding 400V) per Machine Model.
- Compliance with IEC61000-4-2 (ESD) 15kV (Air), 8kV (Contact)
- This is Pb-Free Device

Applications

- Hand Held Portable Applications
- Serial and Parallel Ports
- 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 (uA)	P_{PK} Max (W)	Package Type
NUP5120X6T1G	Pb-free Halide free	Active	General I/O	5	Unidirectional	70	6.2	5	0.5	90	SOT-563
NUP5120X6T2G	Pb-free Halide free	Active	General I/O	5	Unidirectional	70	6.2	5	0.5	90	SOT-563

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

Created on: 7/11/2015