



## Product Overview

### NUP4004M5: Transient Voltage Suppressor, 5-Pin, Bi-Directional, Quad

For complete documentation, see the data sheet

#### Product Description

This 5-Pin bi-directional transient suppressor array is designed for applications requiring transient overvoltage protection capability. It is intended for use in transient voltage and ESD sensitive equipment such as computers, printers, cell phones, medical equipment, and other applications. Its integrated design provides bi-directional protection for four separate lines using a single TSOP-5 package. This device is ideal for situations where board space is a premium.

#### Features

- Bi-Directional Protection for Four Lines in a Single TSOP-5 Package
- Low Leakage Current
- Low Capacitance
- Provides ESD Protection for IEC61000-4-2, 15kV (Air) and 8 kV (Contact)
- Provides ESD Protection for JEDEC Standards JESD22, Machine Model = Class C and Human Body Model = 3B
- This is a Pb-Free Device

#### Benefits

- Board space savings and reduced component count
- Preserves battery life
- Allows for protection of higher speed datalines
- Protects against harsh ESD pulses

#### Applications

- LCD, Plasma TV Video Lines
- Other Telephone Sets

#### End Products

- Computers, Printers, Set-Top Boxes, Medical Equipment, and Cell Phones

#### 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 (μA)	$P_{PK}$ Max (W)	Package Type
NUP4004M5T1G	AEC Qualified Pb-free Halide free	Active	General I/O	4	Bidirectional	23	7	5	1	-	TSOP-5 / SOT-23-5

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

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