



## Product Overview

### NUP4201MR6: Transient Voltage Suppressor, Low Capacitance, for High Speed Data Lines

For complete documentation, see the data sheet

#### Product Description

The NUP4201MR6T1 transient voltage suppressor is designed to protect equipment attached to high speed communication lines from ESD, EFT, and lightning.

#### Features

- Low Capacitance (3pF Max between I/O lines)
- ESD Rating of Class 3B (exceeding 8kV) per Human Body Model and Class C (exceeding 400V) per Machine Model
- Protection for the following IEC Standards: IEC 61000-4-2 (ESD) 15 kV (air) 8 kV (contact) IEC 61000-4-4 (EFT) 40 A (5/50 ns) IEC 61000-4-5 (lighting) 23 A (8/20 micro s)
- UL Flammability Rating of 94 V-0
- Monitors and Flat Panel Displays

#### Applications

- High Speed Communication Line Protection
- USB 1.1 and 2.0 Power and Data Line Protection
- Digital Video Interface (DVI)
- Monitors and Flat Panel Displays

#### 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
NUP4201MR6T1G	Pb-free	Active	USB 2.0	4	Unidirectional	3	6	5	5	500	TSOP-6

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

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