



## Product Overview

### NUP4201: Transient Voltage Suppressor, Low Capacitance, for High Speed Data Interfaces

For complete documentation, see the data sheet

#### Product Description

The NUP4201DR2 transient voltage suppressor is designed to protect equipment attached to high speed communication lines from ESD, EFT, and lightning.

#### Features

- SO-8 Package
- Peak Power - 500 Watts 8 x 20  $\mu$ S
- UL Flammability Rating of 94V-0
- ESD Rating:
  - 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 (lightning) 23 (8/20  $\mu$ s)
- Pb-Free Package is Available

#### Applications

- High Speed Communication Line Protection
- USB Power and Data Line Protection
- Video Line Protection
- Base Stations
- HDSL, IDSL Secondary IC Side Protection

#### 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
NUP4201DR2G	Pb-free	Active	USB 2.0	4	Unidirectional	10	6	5	10	500	SOIC-8

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

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