

# NSP4201

## Low Clamping Voltage Surge Protection Diode Array

### Product Overview

For complete documentation, see the data sheet.

The NSP4201MR6 transient voltage suppressor is designed to protect high speed data lines from ESD, EFT, and lightning surges.

### Features

- Protection for the Following IEC Standards: IEC 61000-4-2 (ESD) ±30 kV (Contact) IEC 61000-4-5 (Lightning) 25 A (8/20 μs)
- Low Clamping Voltage
- Low Leakage
- UL Flammability Rating of 94 V-0
- SZ Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

### 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	Pricing (\$/Unit)	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 (μA)	P <sub>PK</sub> Max (W)	Package Type
NSP4201MR6T1G	0.1519		Active		5	Unidirectional	5	6	5	1	500	TSOP-6
SZNSP4201MR6T1G	0.1837		Active		5	Unidirectional	5	6	5	1	500	TSOP-6