

## Product Overview

### NSP4201: Low Clamping Voltage Surge Protection Diode Array

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)  $\pm 30$  kV (Contact) IEC 61000-4-5 (Lightning) 25 A (8/20  $\mu$ s)
- 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)	$V_{BR}$ Min (V)	$V_{RWM}$ Max (V)	$I_R$ Max ( $\mu$ A)	$P_{PK}$ Max (W)	Package Type
NSP4201MR6T1G	0.1519	Pb-free Halide free non AEC-Q and PPAP	Active	Ethernet (10/100 Gigabit) USB 2.0 USB 3.0	5	Unidirectional	5	6	5	1	500	TSOP-6
SZNSP4201MR6T1G	0.1837	AEC Qualified PPAP Capable Pb-free Halide free	Active	Ethernet (10/100 Gigabit) USB 2.0 USB 3.0	5	Unidirectional	5	6	5	1	500	TSOP-6

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

Created on: 6/25/2021