



Product Overview

NUP2201: Transient Voltage Suppressor, Low Capacitance, for High Speed Data Lines

For complete documentation, see the data sheet

Product Description

The NUP2201MR6T1 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 (lightning) 23 A (8/20 micro s)
- UL Flammability Rating of 94 V-0

Applications

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

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 (uA)	P_{PK} Max (W)	Package Type
NUP2201MR6T1G	Pb-free	Active	DVI USB 2.0	2	Bidirectional	3	6	5	5	300	TSOP-6
SZNUP2201MR6T1G	AEC Qualified PPAP Capable Pb-free	Active	DVI USB 2.0	2	Bidirectional	3	6	5	5	300	TSOP-6

For more information please contact your local sales support at www.onsemi.com

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