



Product Overview

NUP2202: Transient Voltage Suppressor, Low Capacitance, for High Speed Data Lines

For complete documentation, see the data sheet

Product Description

The NUP2202W1 transient voltage suppressor is designed to protect high speed data lines from ESD, EFT, and lightning.

Features

- Low Capacitance (3 pF Maximum Between I/O Lines)
- ESD Rating of Class 3B (Exceeding 8 kV) per Human Body Model and Class C (Exceeding 400 V) per Machine Model
- Protection for the Following IEC Standards: IEC 6100042 (ESD) 15 kV (air) 8 kV (contact) IEC 6100044 (EFT) 40 A (5/50 ns) IEC 6100045 (Lightning) 23 A (8/20 μ s)
- UL Flammability Rating of 94 V-0
- This is a Pb-Free Device

Applications

- High Speed Communication Line Protection
- USB 1.1 and 2.0 Power and Data Line Protection
- Digital Video Interface (DVI) and HDMI
- Monitors and Flat Panel Displays
- MP3

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
NUP2202W1T2G	Pb-free	Active	DVI HDMI 1.2 USB 2.0	2	Bidirectional	3	6	5	5	500	SC-88-6 / SC-70-6 / SOT-363-6

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

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