



Product Overview

NUP2301: Low Capacitance Diode Array for ESD Protection

For complete documentation, see the data sheet

Product Description

The NUP2301MW6 is a micro-integrated device designed to provide protection for sensitive components from possible harmful electrical transients such as ESD.

Features

- Low Capacitance (2.0 pF Max Between I/O Lines)
- Single Package Integration Design
- Provides ESD Protection for JEDEC Standards JESD22
- Protection for IEC61000-4-2 (Level 4)
- Ensures Data Line Speed and Integrity
- Directs the Transient to Either Positive Side or to Ground
- AEC-Q101 Qualified and PPAP Capable
- SZ Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements

Applications

- T1/E1 Secondary IC Protection
- T3/E3 Secondary Protection
- HDSD, IDSL Secondary IC Protection
- Video Line Protection
- MicroController Input Protection

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
NUP2301MW6T1G	AEC Qualified Pb-free Halide free	Active	T1/E1, T3/E3	2	Bidirectional	3	70	70	2.5	-	SC-88-6 / SC-70-6 / SOT-363-6
SZNUP2301MW6T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	T1/E1, T3/E3	2	Bidirectional	3	70	70	2.5	-	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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