



Product Overview

NUP4304MR6: Low Capacitance Diode Array for ESD Protection

For complete documentation, see the data sheet

Product Description

NUP4304MR6 is a micro-integrated device designed to provide protection for sensitive components from possible harmful electrical transients; for example, ESD (electrostatic discharge).

Features

- Low Capacitance (1.5 pF Maximum between I/O Lines)
- Single Package Integration Design
- Provides ESD Protection for JEDEC Standards JESD22: Machine Model = Class C, Human Body Model = Class 3B
- Protection for IEC61000-4-2 (Level 4): 8.0 kV (Contact) and 15 kV (Air)
- Ensures Data Line Speed and Integrity
- Fewer Components and Less Board Space
- Direct the Transient to either Positive Side or to Ground

Applications

- USB 1.1 and 2.0 Data Line Protection
- T1/E1 Secondary IC Protection
- T3/E3 Secondary IC Protection
- HDSD, IDSL Secondary IC Protection
- Video Line 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
NUP4304MR6T1G	AEC Qualified Pb-free Halide free	Active	USB 2.0	4	Bidirectional	1.5	70	2.5	2.5	-	SC-74
SZNUP4304MR6T1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	USB 2.0	4	Bidirectional	1.5	70	2.5	2.5	-	SC-74

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

Created on: 7/11/2015