

## Product Overview

### ESD7272: ESD Protection Diodes, Low Capacitance Dual Channel

For complete documentation, see the data sheet.

The ESD7272 is designed to protect various I/Os and data lines from ESD. The low capacitance and low ESD clamping voltage combined with a high standoff voltage makes this device an ideal solution for protecting various types of ICs without causing signal degradation. The small, cost efficient SOT-23 package allows for easy PCB layout and BOM reduction on multiple pin modules.

#### Features

- Low Capacitance: < 2.0pF
- Protection for IEC61000-4-2 (Level 4) & ISO 10605 Standards
- Low ESD Clamping Voltage

#### Benefits

- Helps Maintain Data Line Signal Integrity
- Ensures High Device Level ESD Survivability
- Ensures High System Level ESD Survivability

#### Applications

- Sensor Lines
- PWM Inputs/Outputs
- General I/Os

#### End Products

- Automotive Control Units

### Part Electrical Specifications

Product	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	V <sub>(BR)</sub> Min (V)	V <sub>RWM</sub> Max (V)	I <sub>R</sub> Max (μA)	P <sub>PK</sub> Max (W)	Package Type
ESD7272LT1G	Pb-free Halide free	Active	General I/O	2	Unidirectional	2	27	24	1		SOT-23-3
SZESD7272LT1G	AEC Qualified PPAP Capable Pb-free Halide free	Active	General I/O	2	Unidirectional	2	27	24	1		SOT-23-3

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

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