

## Product Overview

### ESD5111: Low Capacitance LVPT ESD Protection Diode in WLCSP2

For complete documentation, see the data sheet.

The ESD51x1 Series is designed to protect voltage sensitive components from ESD. Excellent clamping capability, low leakage, and fast response time provide best in class protection on designs that are exposed to ESD. Because of its small size, it is suited for use in smartphone, smart-watch, or many other portable / wearable applications where board space comes at a premium.

### Features

- Low Capacitance (5 pF Max, I/O to GND)
- Small Body Outline Dimensions  
0201 Size: 0.6 x 0.3 mm
- Protection for the Following IEC Standards:  
IEC 61000-4-2 (Level 4)
- Low ESD Clamping Voltage
- These Devices are Pb-Free, Halogen Free/BFR Free and are RoHS Compliant

### Applications

- General I/O Protection

### 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
ESD5111FCT5G	Pb-free	Active	Audio	1	Bidirectional	5.5	3.68	3.3	1	23	WLCSP-2
	Halide free		General I/O								
ESD5111PFCT5G	Pb-free	Active	Audio	1	Bidirectional	5.5	3.68	3.3	1	23	DSN-2
	Halide free		General I/O								

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

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