

Product Overview

ESDM3551: ESD Protection Diode, CC and SBU Protection (5.5 V – USB 3.x), 21 pF

For complete documentation, see the data sheet.

The ESDM3551 is designed to protect voltage sensitive components that require low capacitance from ESD and transient voltage events. Excellent clamping capability, low capacitance, low leakage, and fast response time, make these parts ideal for ESD protection on designs where board space is at a premium.

Features

- 9.9 A Peak Pulse Current Capable, 8x20us Surge
- 8.5 V Clamping Voltage @ 9.9 A, 8x20us Surge
- 0201 Form Factor

Applications

- USB Type C CC and SBU Line Protection
- GPIO Protection
- Audio Jack Protection

Benefits

- Delivers higher level of protection to the application
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- Measuring only 0.62x0.32 mm, this device is ideal for space-constrained applications

End Products

- Smartphones
- Tablets
- Wearables
- Laptops
- Notebooks

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 (μA)	P _{PK} Max (W)	Package Type
ESDM3551MXT5G	Pb-free Halide free	Active	USB Type-C	1	Bidirectional	21	5.6	5.5	0.1	77	X3DFN-2
ESDM3551N2T5G	Pb-free Halide free	Active	USB Type-C	1	Bidirectional	21	5.6	5.5	0.1	77	X2DFN-2

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

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