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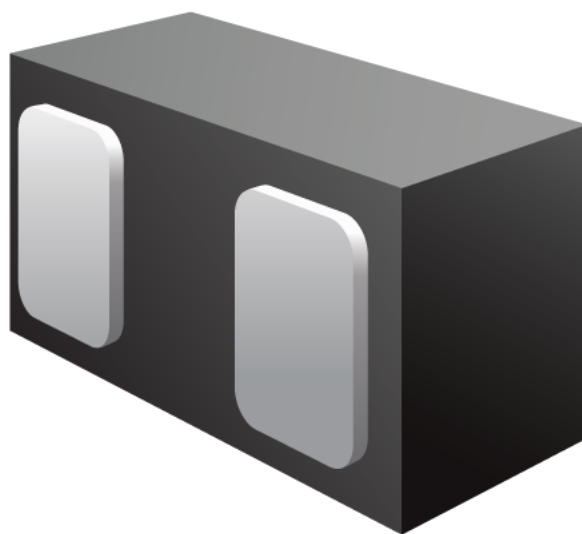
Product Details

RClamp01211ZC

Low Voltage RailClamp® 1.2V, 200fF ESD Protection

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RClamp01211ZC

RClamp®01211ZC is an ultra low capacitance FemtoClamp™ electrostatic discharge (ESD) protection device specifically designed to protect high-speed differential lines. It offers desirable characteristics for board level protection including fast response time, low operating and clamping voltage and no device degradation.

low clamping voltage, and high ESD withstand
only 0.2pF and extremely low insertion loss,



Features

- ESD withstand voltage IEC 61000-4-2 (ESD) $\pm 10\text{kV}$ (contact)
- Low ESD clamping
- Ultra-low capacitance: 0.2pF maximum
- Protects one high-speed data line
- Working voltage: 1.2V
- Low reverse leakage current: 100nA max at $V_R = 1.2\text{V}$
- Solid-state silicon-avalanche technology

Applications

- Thunderbolt 3
- USB4
- USB 3.2 Gen 1/Gen 2/Gen 2x2

Packaging

- DFN 0.60x0.30x0.25mm – 2 lead

Order Codes

- RClamp01211ZCFT: Pb-free, Halogen-free, RoHS/WEEE-compliant, 15,000 pcs.

Datasheets & Documentation

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Datasheets ▼

RClamp01211ZC Datasheet 🔒



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Distributor/Catalog Supplier Inventory

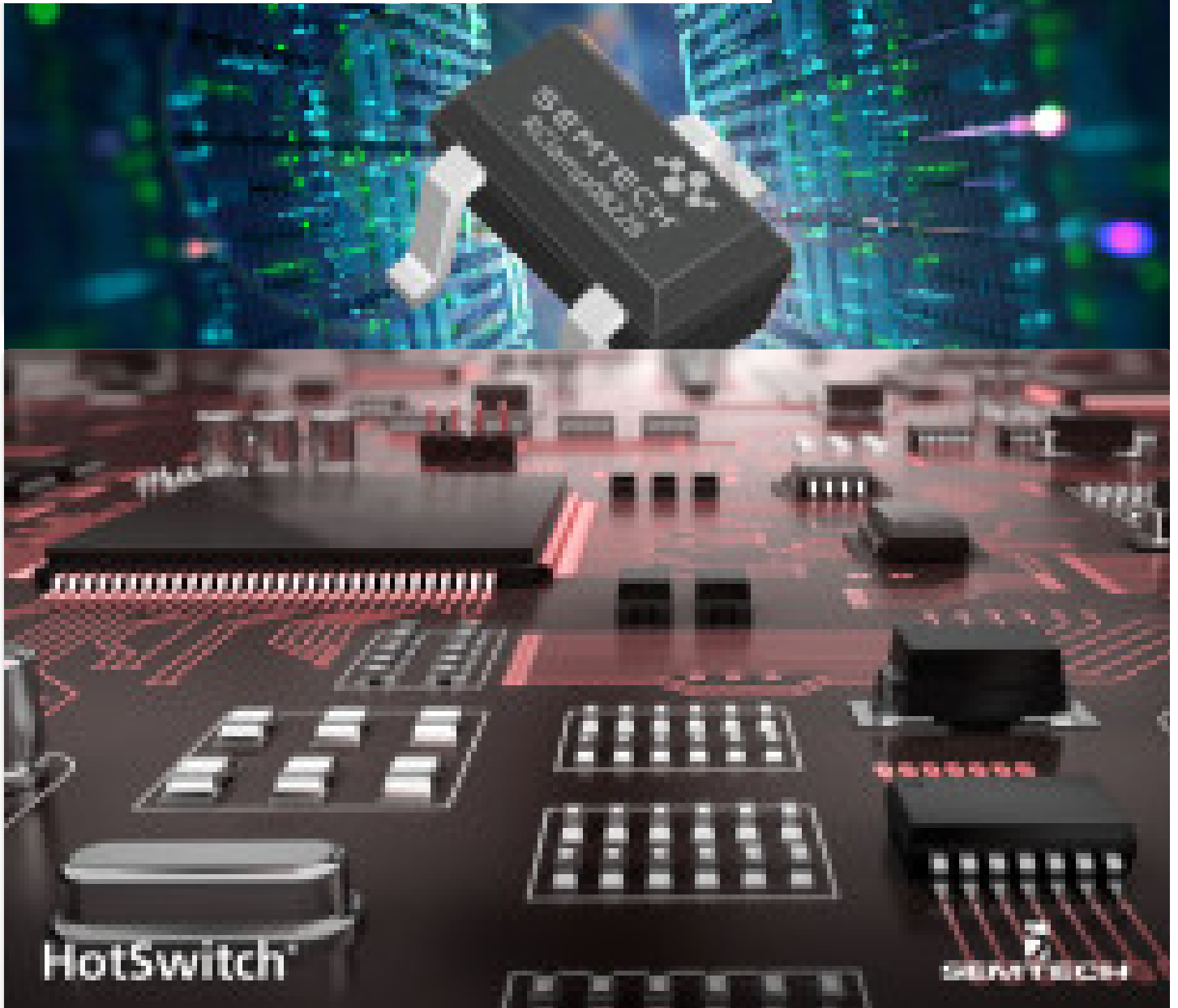
View product availability from participating distributors below. Browse all distributors **here**.

Part #	Country	Qty	Buy	Distributor
North America				
RCLAMP01211ZCFT		9750		Mouser Electronics Inc.
RCLAMP01211ZCFT		14990		DigiKey

Resources

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Semtech's SurgeSwitch™ product line offers 30% reduced clamping, 80% smaller package size and...
Semtech is here to help. When you have questions, our experts have answers.

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