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Semtech RClamp3331Z2C

01005 Size RClamp® 1-Line, 3.3V ESD Protection



RailClamp® TVS diodes are ultra-low capacitance devices designed to protect sensitive electronics from damage or latch-up due to ESD, EFT and EOS. They are designed for use on high-speed ports in applications such as cell phones, notebook computers, and other portable electronics. These devices offer desirable characteristics for board level protection including fast response time, low operating and clamping voltage, and no device degradation.

Overview ~

Features

- High ESD withstand voltage: +/-18kV (contact), +/- 22kV (air) per IEC 61000-4-2
- · Ultra-small 01005 package
- Protects 1line
- · Low ESD clamping voltage
- · Working voltage: 3.3V
- · Capacitance: 0.35pF (Typical)
- · Low leakage current
- Low dynamic resistance: 0.18 Ohms (Typical)

- Smart Phones
- Wearables
- IoT Devices
- FM Antenna
- · Tablet PC

Packaging

• SLP0402P2X4C (0.43 x 0.23 x 0.15mm)

Order Codes

RClamp3331Z2CTKT

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Semtech SurgeSwitch protects circuits

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Semtech Strengthens its RClamp Platform with a TVS Array for Protecting Industrial and Telecommunications Electronics

Press Releases

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