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## Products

### ESD Protection

#### Other products to view

#### ESD Protection

▶ **RClamp3624T**  
ESD Protection for uUSB Interfaces

▶ **RClamp1624T**  
RailClamp® ESD Protection for USB Interfaces

▶ **RClamp0554S**  
RailClamp® Low Capacitance TVS Diode Array

▶ **RClamp0544T**  
RailClamp® Ultra Low Capacitance TVS Arrays

▶ **EClamp0504T**  
Low Profile EClamp® 4-Line ESD protection

▶ **uClamp3324P**  
Low Voltage TVS for ESD Protection

▶ **uClamp3311P**  
Low Voltage µClamp™ for ESD and CDE Protection

▶ **uClamp3306P**  
Low Voltage TVS for ESD Protection

**Inside Circuit**  
Newsletter

▶ Get info on product updates, design tips and more...

## Semtech RClamp2574N

High Power TVS for Ethernet Interfaces

### Overview

### Diagrams & Specs

### Docs & Resources

### Sample & Buy

Contact your local Sales Representative for full product specifications.

RailClamp® TVS diodes are specifically designed to protect sensitive components which are connected to high-speed data and transmission lines from overvoltage caused by ESD (electrostatic discharge), CDE (cable discharge events), and EFT (electrical fast transients).

No Datasheet Pb Free/ROHS Status Check distributor inventory

### Features

- ▶ Transient protection for high-speed data lines to
  - ▶ IEC 61000-4-2 (ESD) ±30kV (air), ±30kV (contact)
  - ▶ IEC 61000-4-4 (EFT) 40A (5/50ns)
  - ▶ IEC 61000-4-5 (Lightning) 40A (8/20µs)
- ▶ Array of surge rated diodes with internal TVS Diode
- ▶ Small package saves board space
- ▶ Protects two line pairs
- ▶ Low capacitance for high-speed interfaces
- ▶ Low variation in capacitance vs. bias voltage
- ▶ Low clamping voltage
- ▶ Low operating voltage: 2.5V
- ▶ Solid-state silicon-avalanche technology

### Applications

- ▶ 10/100/1000 Ethernet
- ▶ Central Office Equipment
- ▶ LVDS Interfaces
- ▶ MagJacks / Integrated Magnetics
- ▶ Notebooks / Desktops / Servers

### Packaging

- ▶ 10-pin SLP3020N10

### Order Codes

- ▶ RClamp2574N.TCT - Pb-Free, Halogen Free, RoHS/WEEE Compliant