

ESD Suppressor Diode Diode Array Uni-Dir 5V 25Vc 6-Pin SC-70 T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Semtech Corporation](#)

Package/Case: SC70-6

Product Type: Thyristors

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

RailClamps® are surge rated diode arrays designed to protect high speed data interfaces. This series has been specifically designed to protect sensitive components which are connected to data and transmission lines from overvoltage caused by ESD (electrostatic discharge), CDE (Cable Discharge Events), and EFT (electrical fast transients).

Not Recommended for New Designs. See replacement RClamp0504FA.

Key Features

- Transient protection for high-speed data lines to
- IEC 61000-4-2 (ESD) ± 15 kV (air), ± 8 kV (contact)
- IEC 61000-4-4 (EFT) 40 A (5/50 ns)
- Array of surge rated diodes with internal TVS Diode
- Small package (2.4 x 2.2 mm) saves board space
- Protects up to four I/O lines & power line
- Low capacitance
- No insertion loss to
- 2.0 GHz
- Low leakage current and clamping voltage
- Low operating voltage: 5.0 V
- Solid-state silicon-avalanche technology

Application

- USB 2.0
- USB OTG
- Monitors and flat-panel displays
- Digital visual interface (DVI)
- High-definition multimedia interface (HDMI)
- Gigabit Ethernet
- SIM ports
- IEEE 1394 FireWire® ports
- Packaging
- RClamp0504F.TCT: 3000 pcs. Tape & Reel
- Order Codes
- SC-70 6L



Recommended For You

RClamp3304NATCT

Semtech Corporation
SLP2626P10

RClamp3374N.TCT

Semtech Corporation
SLP3020

RClamp0524J.TCT

Semtech Corporation
SLP2710P8

RClamp0531T.TCT

Semtech Corporation
SLP1006P2T

RClamp0522P.TCT

Semtech Corporation
SLP1610P4

RClamp0524P.TCT

Semtech Corporation
SLP2510P8

RClamp0582N.TCT

Semtech Corporation
SLP1210N6

RClamp0521PATCT

Semtech Corporation
SLP1006P2

RClamp3654PATCT

Semtech Corporation
SLP1616P6

RClamp1521P.TCT

Semtech Corporation
SLP1006P2

RClamp0504F.TCT

Semtech Corporation
SC70-6

RClamp7534P.TNT

Semtech Corporation
SGP2010

RClamp0524PATCT

Semtech Corporation
SLP2510P8

RClamp0502A.TCT

Semtech Corporation
SC89-6

RCLAMP0504PATCT

Semtech Corporation
SLP1616P6