



**SELATEC ELWET TELJET**  
Electronic and Multimedia Solutions

[update@elwet](mailto:update@elwet)

**ELWET AG**  
[SELATEC](#) | [ELWET](#) | [TELJET](#)  
Electronic and Multimedia Solutions  
Zugerstrasse 22 | CH-6314  
Unterägeri | Fon +41 41 766 00 66  
[Contact](#) | [Website](#)

## PROTEK DEVICES – PLR0504PLCN



TVS Array ultra low capacitance steering Diode

### Applications:

- Gigabit Ethernet
- DVI Interface
- High-Speed Data Line ESD Protection
- FireWire, SATA & PCIe Interfaces
- IEEE 1394 to 3.2Gbps
- USB 1.0 - 3.0 Interfaces
- HDMI 1.4 & 2.0 Interfaces

### Features:

- Compatible with IEC 61000-4-2 (ESD): Contact  $\pm 8\text{kV}$ , Air  $\pm 15\text{kV}$
- Compatible with IEC 61000-4-4 (EFT): 5/50ns
- Compatible with IEC 61000-4-5 (Surge): 16A - 8/20 $\mu\text{s}$
- 250 Watts Peak Pulse Power per Line (tp = 8/20 $\mu\text{s}$ )
- ESD Protection > 25 kilovolts
- Low Leakage Current < 0.5 $\mu\text{A}$
- Protects 4 Lines
- Ultra Low Capacitance: 1.5pF Max (I/O to GND), 1.37pF Typ 0Vdc

Please contact us for, inquiries, samples or technical requests.

[CLICK FOR DATASHEET: PLR0504PLCN](#)

## SEMTECH - LC05-6



Dual low capacitance TVS Array

### Applications:

- T1/E1 line cards
- Base stations
- WAN equipment
- CSU / DSU
- Multiplexers
- Routers
- ISP equipment
- Customer premise equipment

### Features:

- 6 V working voltage
- Transient protection for high-speed data lines to
  - > Telcordia (Bellcore) GR 1089 IPP = 100 A (2/10  $\mu\text{s}$ )
  - > ITU K.20 IPP = 40 A (5/310  $\mu\text{s}$ )
  - > IEC 61000-4-2 (ESD) < 25 kV
  - > IEC 61000-4-4 (EFT) 40 A (5/50 ns)
  - > IEC 61000-4-5 (Lightning) 100 A (8/20 $\mu\text{s}$ )
- Protects two tip-and-ring line pairs
- Low capacitance for high-speed interfaces
- High surge capability
- Low clamping voltage
- Solid-state silicon-avalanche technology

Please contact us for, inquiries, samples or technical requests.

[CLICK FOR DATASHEET: LC05-6](#)

## LITTLEFUSE - SMBJ Series



Transient Voltage Suppression Diodes

### Applications:

TVS devices are ideal for the protection of I/O Interfaces, VCC bus and other vulnerable circuits used in Telecom, Computer, Industrial and Consumer electronic applications.

### Features:

- 600W peak pulse power capability at 10/1000 $\mu\text{s}$  waveform, repetition rate (duty cycles):0.01%
- Excellent clamping capability
- Low incremental surge resistance
- Typical IR less than 1 $\mu\text{A}$  when VBR min>12V
- For surface mounted applications to optimize board space
- Low profile package
- Typical failure mode is a short circuit condition for current events exceeding component rating
- Whisker test is conducted based on JEDEC JESD201A per its table 4a and 4c
- IEC-61000-4-2 ESD 30kV(Air), 30kV (Contact)
- EFT protection of data lines in accordance with IEC 61000-4-4

Please contact us for, inquiries, samples or technical requests.

[CLICK FOR DATASHEET: SMBJ Series](#)

Since 51 years we are your partner for electronic components!