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Electronic and Multimedia Solutions

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PROTEK DEVICES PLR0504FN5



Ultra Low Capacitance Steering Diode/TVS Array
PROTEK DEVICES has introduced a steering diode / transient voltage suppressor array (TVS array) for circuit protection in common computing interfaces like HDMI and DVI, USB, SATA and PCIe, and more. It provides an ultra-low capacitance of 0.3pF, typical for I/O to ground.

The PLR0504FN5 is compatible with the IEC standards 61000-4-2 (ESD): air plus or minus 15kV and contact plus or minus 8kV, with 61000-4-4 (EFT): 40A, 5/50ns, and with 61000-4-5 (surge): 3A - 8/20 microseconds. The new component also offers ESD protection of > 25 kilovolts for four data lines. In addition, it offers low leakage current of < 0.1 microampere.

Features:

- Compatible with IEC 61000-4-2 (ESD): Air ± 15 kV, Contact ± 8 kV
- Compatible with IEC 61000-4-4 (EFT): 40A, 5/50ns
- Compatible with IEC 61000-4-5 (Surge): 3A - 8/20 μ s
- ESD Protection > 25 kilovolts
- Protects 4 Data Lines
- Low Leakage Current < 0.1 μ A
- Ultra Low Capacitance: 0.3pF Typical (I/O to GND)

Applications:

- DVI Interface
- High-speed Data Line ESD Protection
- FireWire, SATA, PCIe Interfaces
- USB 1.0 - 3.0
- HDMI 1.4 - 2.0

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Please contact us for inquiries, samples or technical requests.

PROTEK DEVICES SLVU2.8-4LC



600 Watt Multi-Line Ultra Low Capacitance TVS Array
The SLVU2.8-4LC provides two line pairs of protection. This device protects high-frequency applications such as voice, video and data related systems and is designed to minimize the effects of high overshoot voltage experienced during and ESD event. This device has an in-line design, which reduces lead inductance thus providing lower overshoot voltage.

Features:

- Compatible with IEC 61000-4-2 (ESD): Air - 15kV, Contact - 8kV
- Compatible with IEC 61000-4-4 (EFT): 40A - 5/50ns
- Compatible with IEC 61000-4-5 (Surge): 24A, 8/20 μ s - Level 2(Line-Gnd) & Level 3(Line-Line)
- 600 Watts Peak Pulse Power per Line (tp = 8/20 μ s)
- Protects up to Two Line Pairs
- ESD Protection > 40 kilovolts
- Low Leakage Current < 10nA @ VWM (Typical)
- Ultra Low Capacitance: 2pF (Maximum)
- RoHS / REACH Compliant

Applications:

- Ethernet - 10/100/1000 Base T
- SMART Phones
- Audio/Video Inputs
- Portable Electronics

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PROTEK DEVICES PAM10KWExxA/CA



10 Kilowatt TVS Components

The PAM10KWExxA/CA Series are high-powered surface mount transient voltage suppression components designed to protect equipment and systems from the damaging effects of high voltage spikes. The DFN-2-KW surface mount package configuration provides a lower profile at a reduce cost. These devices provide 10 kilowatts of peak pulse power dissipation for an 10/1000 μ s waveform. Applications include relay drive protection module and secondary lightning protection.

Features:

- EC-Q101 Qualified
- RTCa DO-160G COMPLIANT PRODuCT
- Compatible with IEC 61000-4-2 (ESD): Air ± 15 kV, Contact ± 8 kV
- Compatible with IEC 61000-4-4 (EFT): 40A, 5/50ns
- Compatible with IEC 61000-4-5 (Surge): 60kW, 8/20 μ s
- 10 kilowatts Peak Pulse Power per Line (tp = 10/1000 μ s)
- Unidirectional & Bidirectional Configurations
- Easy Mounting to Printed Circuit Board
- RoHS / REACH Compliant

Applications:

- Automotive

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