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Electronic and Multimedia Solutions

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**PROTEK DEVICES
PAM8S48A**



Automotive 48V HEV Load Dump Protection
The PAM8S48A is a high power transient voltage suppressor designed to provide protection against long duration switching transient threats. This device is suitable for 48 Volt automotive system applications. The PAM8S48A complies with ISO 21780:2020 Load Dump standard.

- Compliance:**
- IEC 61000-4-2 ±8kV Contact, ±15kV Air Discharge
 - IEC 61000-4-4 EFT 40A, 5/50ns
 - IEEE C62.41 Compliance 10/1000µs, 77.4A
 - ISO 21780:2020 Load Dump Compliance

- Solution:**
- 1 x PAM8S48A
 - Stand-Off Voltage VWM: 48V
 - Breakdown Voltage BVMIN: 53.3V
 - VC @ IP: 85.2V @ 77.4A
 - Leakage Current IR: 10µA

- Alternate Recommendations:**
- 1 x SM8S24A

[CLIQUE HERE FOR DATASHEET: PAM8S48A](#)

Please contact us for inquiries, samples or technical requests.

**PROTEK DEVICES
TRV24-4LC and TRV24-2LC**



Combo Arrays and Diodes for consumer electronics circuit protection / 24V Thyristor
PROTEK DEVICES has introduced two new ultra-low capacitance (less than 3 pF) low leakage current (less than 10nA) thyristor array and steering diode combination devices for circuit protection in consumer entertainment and networking devices like set top boxes and modems. They specifically provide surge protection in high-speed data interfaces.

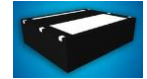
- Features:**
- Compatible with IEC 61000-4-2 (ESD): Air ±15kV, Contact ±8kV
 - Compatible with IEC 61000-4-5 (Surge): 35A, 8/20µs
 - Compatible with GR-1089-CORE (Surge): 50A, 2/10µs
 - ESD Protection > 25 kilovolts
 - TRV24-2LC = Protection for 2 Lines
 - TRV24-4LC = Protection for 4 Lines
 - Ultra Low Capacitance: 3pF
 - RoHS Compliant
 - REACH Compliant

- Applications:**
- Gateway
 - Set-Top Boxes
 - Modems/Routers
 - ADSL/VDSL Interfaces

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**PROTEK DEVICES
SM15KWExxA/CA**



Industry-first smaller profile circuit protection TVS
ProTek Devices has introduced a series of high-powered surface mount TVS components for circuit protection from electromagnetic field, lightning, and other electrical fast transients in high power applications. These new devices for motors and relays are provided in that industry's lowest-profile packaging compared with competing solutions.

- Features:**
- RTCa DO-160G COMPLIANT PRODUCT
 - 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): 60kW, 8/20µs
 - 15 kilowatts Peak Pulse Power per Line (tp = 10/1000µs)
 - Unidirectional & Bidirectional Configurations
 - Easy Mounting to Printed Circuit Board
 - RoHS Compliant
 - REACH Compliant

- Applications:**
- Relay Drives
 - Motor (Start/Stop) Back EMF Protection
 - Module Lightning Protection
 - Secondary Lightning Protection

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