

**PROTEK DEVICES –
PSRDAxx-4A and
PSRDAxx-6A**



500 Watt low capacitance steering Diode/TVS Array

This series are steering diode / TVS arrays for surge, electrostatic discharge and other circuit protection in computing applications such as Ethernet ports, set-top boxes, and other computing ports and interfaces.

Applications:

- Computer Interface Protection
- Ethernet - 10/100/1000 Base T
- Set-Top Box Protection
- Video Card

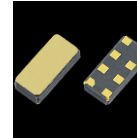
Features:

- 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, 8/20µs - Level 2(Line-Gnd) & Level 3(Line-Line)
- 500 Watts Peak Pulse Power per Line (tp = 8/20µs)
- PSRDAxx-4A: Unidirectional Configuration / PSRDAxx-6A: Bidirectional Configuration
- Available in Multiple Voltages
- PSRDAxx-4A: Protects Up to Four I/O Ports / PSRDAxx-6A: Up to Six Lines
- Low Capacitance: 5pF per Diode

Please contact us for inquiries, samples or technical requests.

[CLICK FOR DATASHEET: PSRDAxx-4A](#)
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**GOLLEDGE –
RV-8063-C7**



Low Power SPI bus RTC

- Low Power of just 190nA typ.
- 3 line SPI-bus with maximum data rate of 7 Mbit/s
- AEC-Q200 compliant option
- Programmable alarm, timer and offset

Features:

- Frequency (selectable) 32.768kHz down to 1Hz
- Dimensions 3.2 x 1.5 x 0.8mm
- Turnover temperature (T₀) +25°C ±5°C
- Frequency / temp coefficient -0.035ppm/°C ±10%
- Operating temperature range -40 to +85°C
- Storage temperature range -55 to +125°C
- Supply voltage (VDD) SPI-bus active 1.8 ~ 5.5V, Time-keeping mode 0.9 ~ 5.5V
- Ageing ±3ppm max first year
- Shock and vibration resistance ±5ppm, 5,000g, 0.3ms, ½ sine, ±5ppm, 20g, 10.0 ~ 2,000Hz
- Soldering condition Reflow, 260°C, 20 sec max

Please contact us for inquiries, samples or technical requests.

DATASHEET: RV-8063-C7

**PROTEK DEVICES –
PAM37SDxxAL/CAL**



400 Watt TVS component / RTCA DO-160G compliant product

Offered in Multiple Voltages, The PAM37SDxxAL/CAL Series of TVS Arrays is Also Well-Suited for Circuit Protection In Aerospace, Consumer Electronics and More

Applications:

- Automotive

Features:

- AEC-Q101 Qualified
- 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): 8/20µs Waveform
- 400 Watts Peak Pulse Power per Line (tp = 10/1000µs)
- Low Inductance
- Excellent Clamping Capability
- Unidirectional and Bidirectional Configurations
- Low Leakage Current: < 1µA (Typical)
- Fast Response Time
- Available in Multiple Voltages

Please contact us for inquiries, samples or technical requests.

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