

5000W TVS



Features

- IEC 61000-4-2 ESD Protection: 30kV (Air) and 30kV (Contact)
- Maximum Operating Junction Temperature: Rated up to 175°C for reliable operation in high-temperature environments.
- Ultra-Fast Response Time: Capacitance typically less than 3000 pF from 0V to breakdown voltage minimum, ensuring immediate protection.
- Low Leakage Current: Typical ID less than 2µA from 11V to minimize power loss.



Benefits

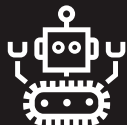
5000W TVS diodes designed to provide superior protection against transient voltage spikes.

A broad range of voltages — from 11V to 400V — and a compact yet powerful SMC package, these transient voltage suppressors (TVS) optimize space on the board without sacrificing performance.

Applications



Video equipment

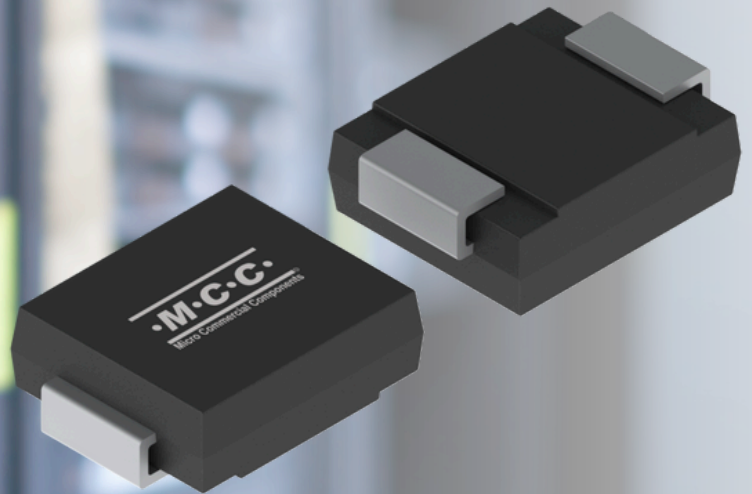


Robotics



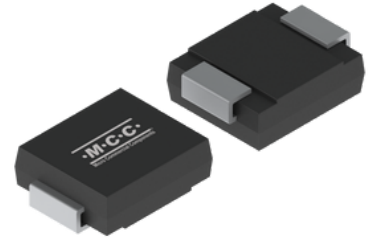
Networking equipment

Robust Protection: Meet MCC's Lineup of 5000W TVS



11V to 400V Options in Compact SMC Package Enhance Design Flexibility

A leakage current less than 2 μ A above 11V reduces power losses



Product Attributes, Parametrics & Datasheets

Product	Type	Package	Peak Pulse Power	Reverse Standoff Voltage VRWM	Mounting Type	Datasheet
<u>5.0SMLJ33CAL</u>	TVS	SMC	5000W	33V	Surface-Mount) SMD	<u>Info</u>
<u>5.0SMLJ24CAL</u>	TVS	SMC	5000W	24V	Surface-Mount (SMD)	<u>Info</u>
<u>5.0SMLJ58CAL</u>	TVS	SMC	5000W	58V	Surface-Mount (SMD)	<u>Info</u>

Applications:



Telecommunications	Consumer Electronics	Computing	Industrial Automation	I/O Interfaces	Power Management
<ul style="list-style-type: none"> • Portable communications devices • Telecommunications equipment 	<ul style="list-style-type: none"> • Video equipment • Home entertainment systems • Gaming consoles 	<ul style="list-style-type: none"> • Servers • Personal computers • Workstations • Data centers 	<ul style="list-style-type: none"> • Control systems • Robotics • Manufacturing equipment 	<ul style="list-style-type: none"> • Peripheral devices • Interface boards • Networking equipment 	<ul style="list-style-type: none"> • VCC bus applications • Power supplies and converters

CONTACT MCC TO REQUEST A SAMPLE

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