

Unleash High-Power Performance in MCC's Uni/Bidirectional ESD Diodes

Uni/Bidirectional ESD Diodes



Features

- **RDL (redistribution layer) technology**
- **High peak pulse current (PPK):** 1350W to 1600W
- **VRWM selection:** 3.3V to 4.8V
- **Ultra-compact package:** CSP1006-2
- **Low clamping voltage:** 15V to 16.5V
- **Successfully passes IEC 61000-4-2 (ESD) immunity test:**
 - **Air discharge:** ±30kV
 - **Contact discharge:** ±30kV
- **Compliant with IEC 61000-4-5 (Lightning) standards:** 90A/100A (8/20µs)



Benefits

Our high-power uni/bidirectional single-line ESD protection devices provide robust safeguarding against electrostatic discharge, ensuring reliability in demanding environments.

They feature a space-saving CSP1006-2 package and enhanced electrical performance for optimized functionality and efficiency.

Applications



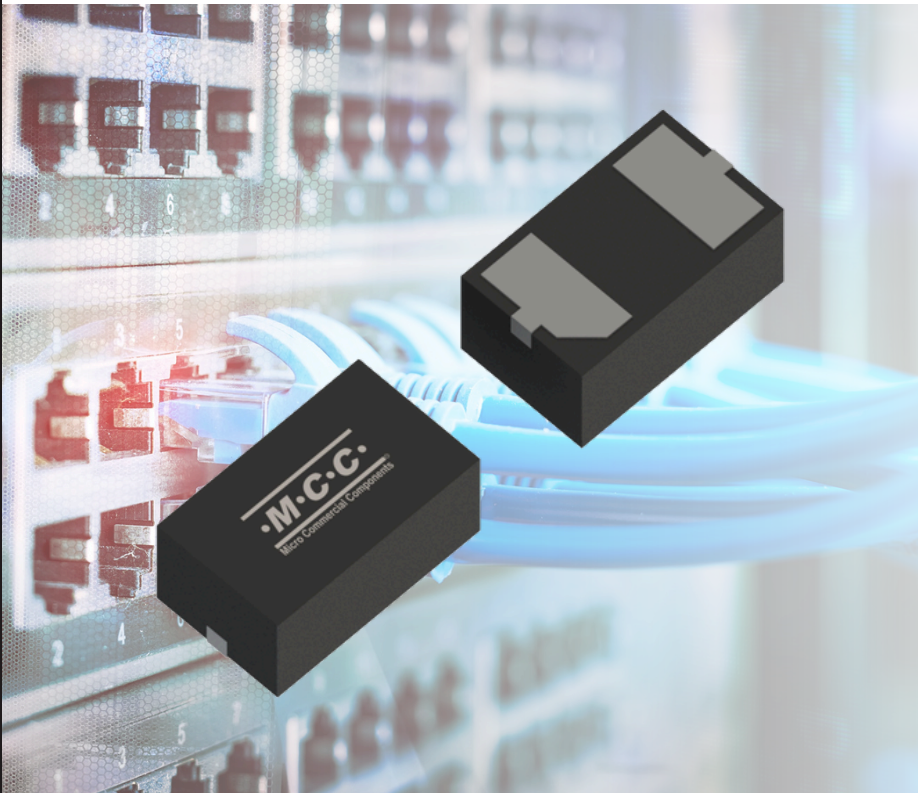
Consumer Devices



Computing



Industrial



Enhanced Density and Heat Dissipation in a Compact CSP1006-2 Package

Ultimate versatility and comprehensive protection in challenging environments



Parametrics & Datasheets:

Product	Type	Package	Configuration	Peak Reverse Working Voltage VRWM	Peak Pulse Power PPK	Mounting Type	Datasheet
<u>CSPSBHC4V8LB</u>	ESD Protection Device	CSP1006-2	Bidirectional	4.8V	1600W	Surface-Mount (SMD)	<u>Info</u>
<u>CSPSBHC6V3LB</u>	ESD Protection Device	CSP1006-2	Bidirectional	6.3V	1485W	Surface-Mount (SMD)	<u>Info</u>
<u>CSPHC4V8L</u>	ESD Protection Device	CSP1006-2	Unidirectional	4.8V	1350W	Surface-Mount (SMD)	<u>Info</u>

Applications:



Consumer Devices

- Smartphones
- Tablets
- Wearable technology



Computing

- Laptops
- Desktop computers
- Servers



Industrial

- Automation systems
- Control panels
- Manufacturing equipment



Telecommunications

- Networking devices
- Telecommunications infrastructure
- Mobile base stations

CONTACT MCC TO REQUEST A SAMPLE

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