

4.5V & 6V ESD PROTECTION DEVICES



Features

- High peak pulse power (PPK) ratings of 2635W to 3510W
- DFN1610-2 package just 1.6mm x 1.0mm for design flexibility
- Low clamping voltage ranging from 17V to 18V for enhanced circuit protection
- High transient current handling up to 155A/195A peak pulse current (IPP)



Benefits

With high PPK ratings and high transient current capability, these diodes deliver robust and reliable protection.

Meet stringent IEC standards for ESD (IEC 61000-4-2) and lightning (IEC 61000-4-5).

Applications



Laptops and tablets

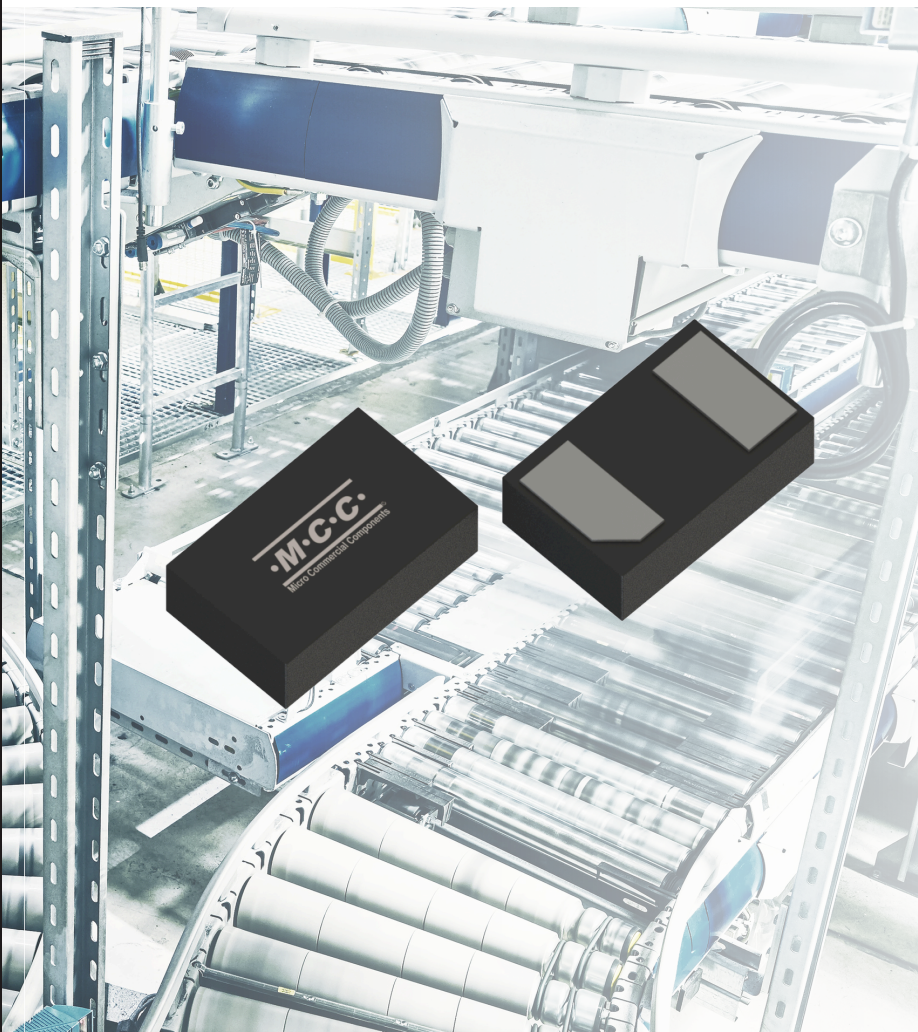


Robotics



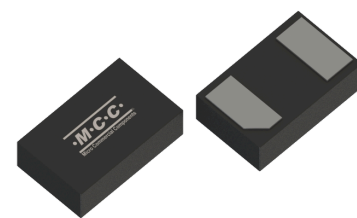
Network equipment

High Power Meets Solid Protection: MCC's Single Line ESD Diodes



Bidirectional Snapback Design in a Compact DFN1610-2 Package

Low Clamping Voltage Helps Safeguard Circuits



Product Attributes, Parametrics & Datasheets

Product	Type	Package	Reverse Standoff-Voltage VRWM	Peak - PulsePower PPK	PeakPulse CurrentIPP	Mounting Type	Datasheet
<u>ESDSBHC4V5P6B</u>	ESD Protection Device	DFN1610-2	4.5V	3510W	195A	Surface-mount (SMD)	<u>Info</u>
<u>ESDSBHC6V3P6B</u>	ESD Protection Device	DFN1610-2	6.3V	2635W	155A	Surface-mount (SMD)	<u>Info</u>

Applications:



Consumer Electronics

- USB voltage buses
- Battery protection
- Laptops and tablets



Industrial

- Robotics
- Control systems
- Industrial automation equipment



Telecommunications

- Digital lines
- Network equipment
- Signal processing units

CONTACT MCC TO REQUEST A SAMPLE

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