

MCC's 3.3V ESD Diodes: Ultimate Protection + Ultra-Low Capacitance

3.3V ESD DIODES



Features

- Low clamping voltage: max. 15V-25V
- Ultra-low capacitance: 0.25pF-0.4pF
- Proven quality through IEC 61000-4-2 (ESD) immunity test:
 - Air discharge protection: $\pm 20\text{kV} - 30\text{kV}$
 - Contact discharge protection: $\pm 20\text{kV} - 30\text{kV}$
- Meet IEC61000-4-5 (Lightning) standards: 4/12/3A (8/20 μs)
- Versatility: available in SOD-523, CSP1610, and DFN5515 packages



Benefits

Our 3.3V Ultra-Low Capacitance ESD Protection Diodes, [ESDULC3V3D5B](#), [CSPSBULC3V3P6](#), and [ESDULC3V3PRB](#), shield single, dual, or eight high-speed I/O lines with ease.

Available in popular SMD packages SOD-523, CSP1610, and DFN5515, our new protection devices bring efficiency and reliable operation to a range of high-speed connections.

Applications



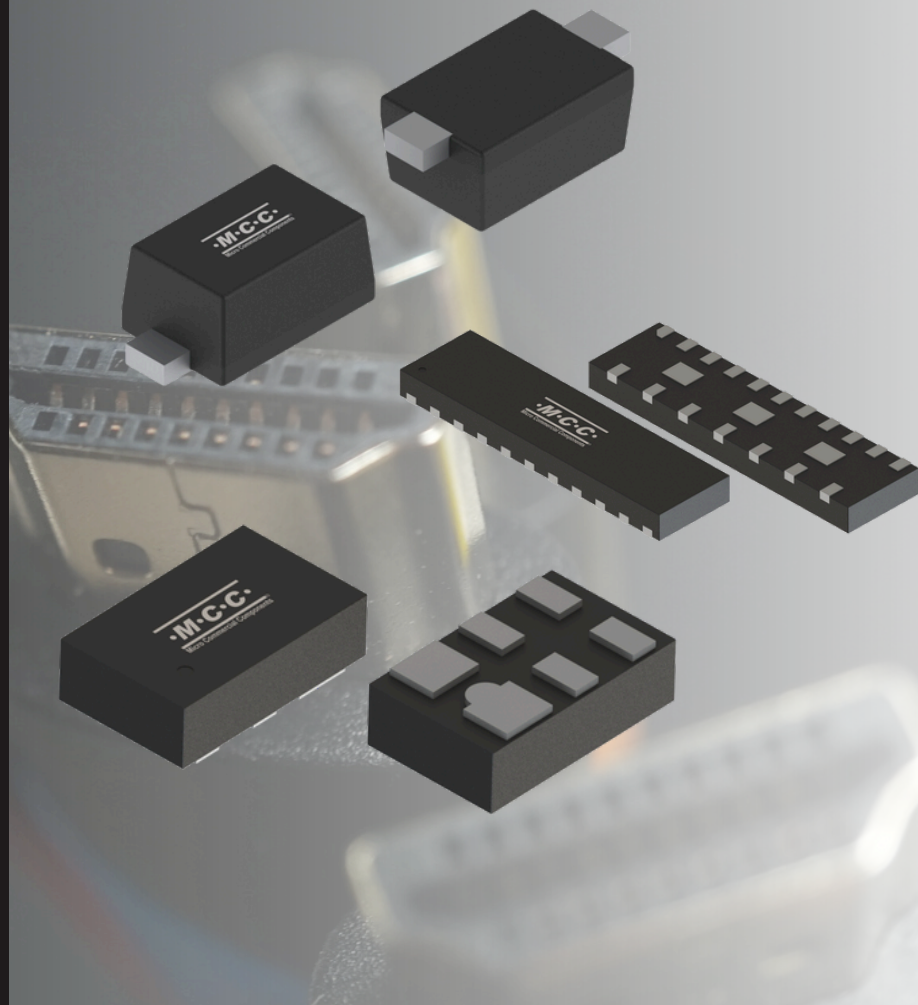
HDMI



Antennae

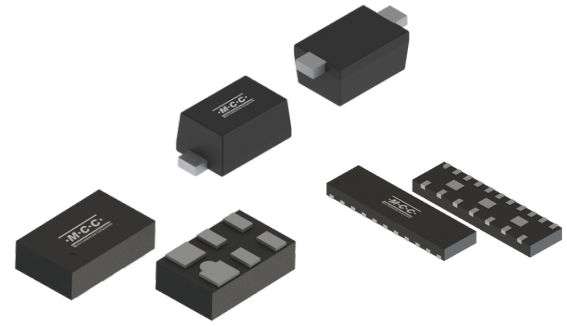


USB-C



Safeguard Up to Eight High-Speed I/O Lines with Versatile SMD Packages

Clamping voltage, ultra-low capacitance of 0.25pF-0.4pF



Product Attributes, Parametrics & Datasheets

Product	Type	Package	Number of Functions	Peak Reverse Working Voltage VRWM	Peak Pulse Current IPP	Max. Clamping Voltage VC	Mounting Type	Datasheet
ESDULC3V3D5B	ESD Protection Device	SOD-523	1	3.3V	4A	25V	Surface-Mount (SMD)	Info
CSPSBULC3V3P6	ESD Protection Device	CSP1610-6	2	3.3V	12A	16.5V	Surface-Mount (SMD)	Info
ESDULC3V3PRB	ESD Protection Device	DFN5515-18	8	3.3V	3A	15V	Surface-Mount (SMD)	Info

Applications:



Computing

- USB-Cs
- Superspeed USBs (USB 3.0)
- HDMI
- DisplayPorts
- Antennae

CONTACT MCC TO REQUEST A SAMPLE

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