

ESD Protection Devices: 5V to 36V Reverse Working Voltage

ESD Protection Devices



Features

- 5V to 36V reverse working voltage
- +/- 30kV Air/Contact ESD voltage withstanding level
- Low leakage current
- Low clamping voltage
- Sub 100pF diode capacitance
- Solid-state silicon avalanche technology
- Small SOD-323 package
- AEC-Q101 qualified



Benefits

The +/-30kV ESD voltage withstanding capability (IEC 61000-4-2) provides superior protection against electrostatic discharge.

A reverse working voltage range of 5V to 36V makes these components ideal for various applications and electronic devices.

Applications



Wireless
Sensor
Networks



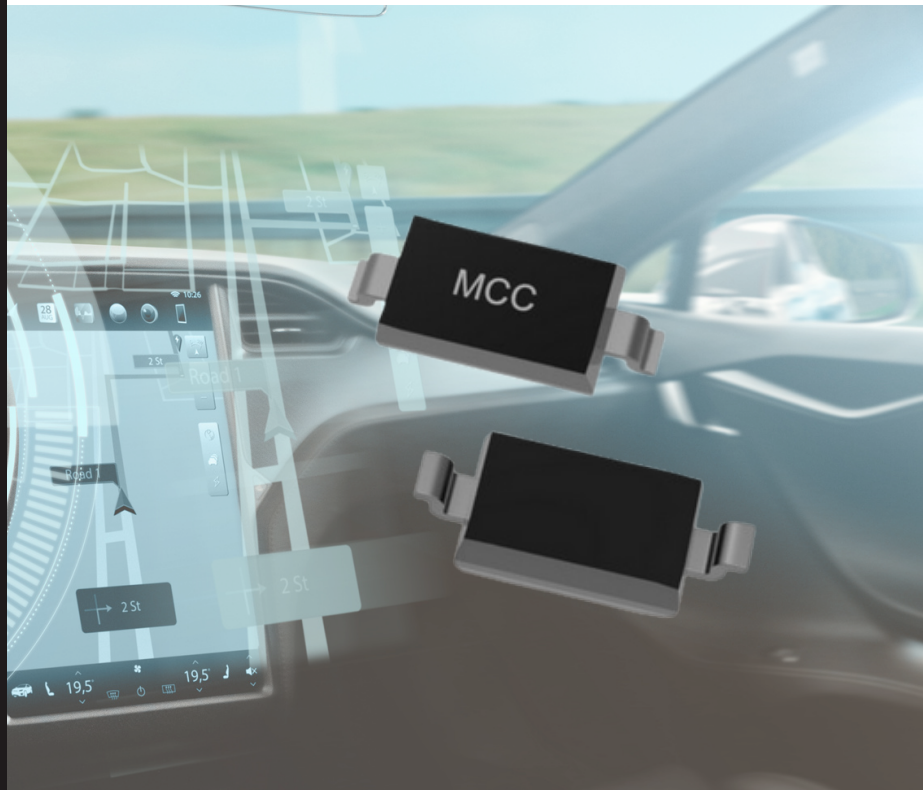
Body
Control
Modules



Keyless
Entry
Systems

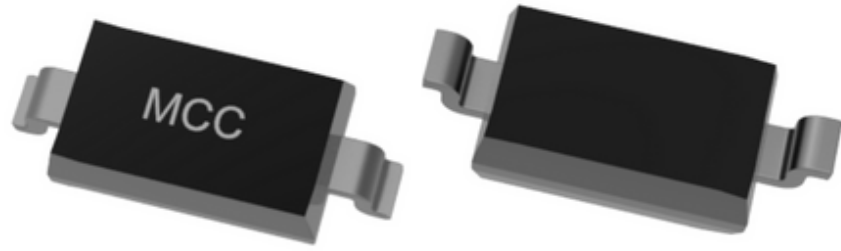
ESD12VD3BHE3-TP
ESD1524D3BHE3A-TP
ESD15VD3BHE3-TP

ESD24VD3BHE3-TP
ESD36VD3BHE3-TP
ESDSB5V0D3BHE3-TP



**SMALL, YET POWERFUL
AUTOMOTIVE-GRADE
ESD PROTECTION**

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Parametrics & Datasheets:

Product	Voltage	Current Peak Pulse	Voltage Clamping (Max @ Ipp)	Device Package	Vce (on)	Data Sheet
ESD12VD3BHE3-TP	12V	10A (8/20μs)	28V	SOD-323	AEC-Q101	Info
ESD1524D3BHE3A-TP	15V	5A (8/20μs)	35V	SOD-323	AEC-Q101	Info
ESD15VD3BHE3-TP	15V	5A (8/20μs)	28.5V	SOD-323	AEC-Q101	Info
ESD24VD3BHE3-TP	24V	7A (8/20μs)	44V	SOD-323	AEC-Q101	Info
ESD36VD3BHE3-TP	36V	5A (8/20μs)	75V	SOD-323	AEC-Q101	Info
ESDSB5V0D3BHE3-TP	5V	24A (8/20μs)	17V	SOD-323	AEC-Q101	Info

Applications:



Automotive



Smart Home Devices



Industrial

- Power line protection
- Low-speed, single-line data protection, such as LIN or I/O
- Keyless entry systems
- Tire pressure monitoring systems
- Infotainment systems
- Advanced driver assistance systems (ADAS)
- Body control modules

- GPS devices
- Routers
- Portable devices
- Digital cameras
- Notebooks
- Digital visual interfaces (DVI)

- Wireless sensor networks
- Process controls and automation
- Remote monitoring and controls
- Communications and networking

CONTACT MCC TO REQUEST A SAMPLE

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