

Ultra-Compact TVS Diodes for Fast, Reliable Surge Protection from 6.5V to 58V

6.5 V - 58 V TVS DIODES



Features

- Ultra-compact SOD-323HE-B package
- Wide voltage range: 6.5V–58V
- 200 W peak pulse power
- Unidirectional for DC rails
- Fast ESD and surge response
- Low leakage current
- Low capacitance

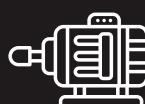


Benefits

Maximizes PCB Space: Ultra-compact SOD-323HE-B package fits tight enclosures for denser layouts.

Simplifies Design: Wide 6.5 V–58 V range protects multiple rails, reducing components.

Applications



Motor drives



Laptops

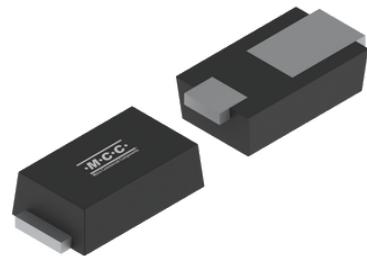


Edge systems



Unidirectional ESD and Surge Defense in a Slim SOD-323HE-B Package

Ultra-compact, low-profile SOD-323HE-B package for space-constrained designs



Product Attributes, Parametrics & Datasheets

Product	Type	Package	Peak Pulse Power Dissipation PPPM (W)	Reverse Standoff Voltage VRWM(V)	Peak Pulse Current IPP(A)	Mounting Type	Datasheet
SMHEB15A	TVS	SOD-323HE-B	200	15	8.2	Surface mount	Info
SMHEB30A	TVS	SOD-323HE-B	200	30	4.13	Surface mount	Info

Applications



Industrial

- DC rail protection for PLCs, motor drives, and HMIs
- Surge suppression for -48 V and 24 V interface

Telecommunications

- DC rail protection for base stations and small cells
- Surge and ESD protection for backhaul and edge nodes

Consumer Electronics

- DC rail protection for laptops, tablets, and wearables
- USB power path surge and ESD protection

Enterprise & Data Center

- DC rail protection for servers, storage, and edge systems
- Hot-swap and backplane rail ESD/surge protection

CONTACT MCC TO REQUEST A SAMPLE

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