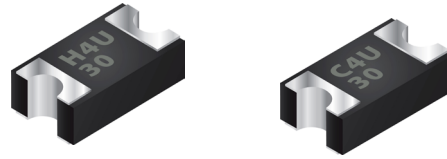




NEW PRODUCT RELEASE

SEMICONDUCTOR PRODUCTS



Bourns Introduces Two New TVS Diode Series for Commercial and Automotive Grade Applications

SMF4C and SMF4C-Q Series

Riverside, California - July 2, 2025 – Bourns is pleased to announce the [SMF4C](#) and [SMF4C-Q](#) Series low profile DFN3419 TVS solution in both commercial grade and AEC-Q101 compliant/automotive grade versions. These products were developed for power supply equipment, communications, data center and automotive applications. With these solutions, Bourns is addressing the challenge in the semiconductor industry to provide broader voltages as well as superior quality components.

The SMF4C and SMF4C-Q Series TVS Diodes in a compact DFN3419 package will be footprint compliant with most SOD-123 and SOD-123F packages, and are well suited for the protection of power buses and overvoltage transient protection for telecom, computer, industrial and consumer electronics applications. The SMF4C-Q Series is AEC-Q101 compliant/automotive grade.

SMF4C Series:

Unidirectional device		Bidirectional device		Working Peak Reverse Voltage
Part Number	Part Marking	Part Number	Part Marking	V _{RWM} (V)
-	-	SMF4C12CAH	H4B 12	12
SMF4C16AH	H4U 16	-	-	16
SMF4C20AH	H4U 20	-	-	20
SMF4C28AH	H4U 28	-	-	28
SMF4C30AH	H4U 30	-	-	30

SMF4C-Q Series:

Unidirectional device		Bidirectional device		Working Peak Reverse Voltage
Part Number	Part Marking	Part Number	Part Marking	V _{RWM} (V)
SMF4C28AH-Q	C4U 28	-	-	28
-	-	SMF4C30CAH-Q	C4B 30	30
SMF4C36AH-Q	CAU 36	SMF4C36CAH-Q	C4B 36	36

Product data sheets with detailed specifications can be viewed on the Bourns website at bourns.com/products/diodes/tvs-diodes. Please visit bourns.com/products/diodes/diodes-aec-q101-compliant for more information on AEC-Q101 compliant TVS Diodes.

If you have any questions or need additional information, please feel free to contact [Bourns Customer Service/ Inside Sales](#).

Features

- Low profile (height 0.9 mm)
- Unidirectional / bidirectional configuration
- Power dissipation: 400 watts
- RoHS compliant* and halogen-free**
- SMF4C-Q Series: AEC-Q101 compliant
- SMF4C-Q Series: AUTOMOTIVE GRADE

Applications

- Protection of power buses
- Overvoltage transient protection
- Telecom, computer, industrial and consumer electronics applications
- Automotive applications (SMF4C-Q Series)

Additional Information

[DATA SHEETS](#)[PRODUCT SELECTOR](#)[TECHNICAL LIBRARY](#)[INVENTORY](#)[SAMPLES](#)[CONTACT](#)

* RoHS Directive 2015/863, Mar 31, 2015 and Annex.

** Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (Cl) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (Cl) content is 1500 ppm or less.

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