

Automotive, AEC-Q101: 5000W, 10V-100V Uni- and Bi-directional TVS

To ensure maximum safety and reliability against the harshest electrical events, Taiwan Semiconductor introduces a series of 5000W SMC Transient Voltage Suppressors for automotive applications. The new 5KSMCXX Series offers high energy absorption capabilities to effectively guard against surges caused by lightning strikes and switching power supplies. The SMC package not only facilitates surface mount assembly but also provides excellent thermal dissipation in high-power applications.



Official Website



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LinkedIn

For more information: marketing@ts.com.tw

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PACKAGE



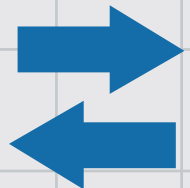
DO-214AB (SMC)



APPLICATIONS



AUTOMOTIVE QUALIFIED
AEC-Q101



UNIDIRECTIONAL &
BIDIRECTIONAL TYPES



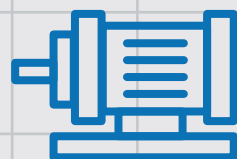
MEETS SURGE SPECIFICATION
(Varied by test conditions)

ISO7637-2 (Pulse 1/2a/2b/3a/3b)

FEATURES



AUTOMOTIVE



MOTOR FOR
BLDC



BATTERY
MANAGEMENT
SYSTEM



LIGHTING



SWITCHING
MODE POWER
SUPPLY (SMPS)

SPECIFICATION

Part number	P _{PPM} (W)	V _{WM} (W)	V _{BR} (V)
5KSMC10AH – 5KSMC100AH	5000	10 - 100	12 - 117
5KSMC10CAH – 5KSMC100CAH	5000	10 - 100	12 - 117



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