

Automotive TJ 175°C Planar Schottky Diode

Taiwan Semiconductor introduces its next-generation automotive-grade planar Schottky diodes, engineered for demanding automotive environments and supporting a maximum junction temperature (TJ) up to 175°C. This product family features low leakage current and a forward current range of 1A to 10A in various package options and is AEC-Q101 qualified.



Official Website



X



LinkedIn

For more information: marketing@ts.com.tw

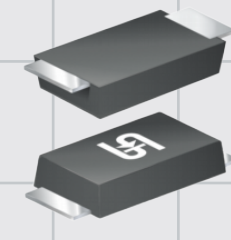
© 2025 TAIWAN SEMICONDUCTOR, CO., LTD. ALL RIGHTS RESERVED.

PACKAGE Units: L × W × H (mm)



Micro SMA

2.50 × 1.25 × 0.68



SOD-123W

3.70 × 1.80 × 0.96



DO-214AC (SMA)

5.14 × 2.56 × 2.24



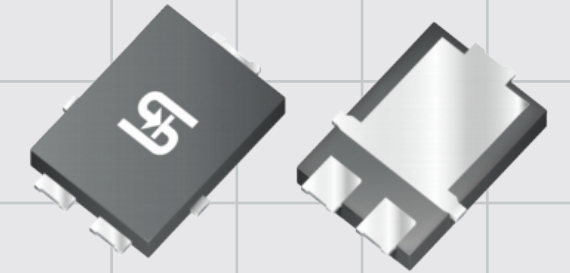
DO-214AA (SMB)

5.35 × 3.63 × 2.30



DO-214AB (SMC)

7.94 × 5.91 × 2.31



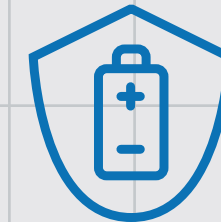
TO-277A (SMPC4.6U)

4.60 × 6.50 × 1.10

APPLICATIONS



DC/DC
CONVERTER



REVERSE
BATTERY
PROTECTION



AUTOMOTIVE



LIGHTING



FREEWHEELING
DIODES

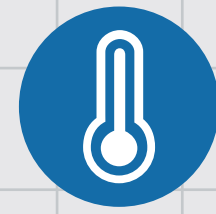
FEATURES



AUTOMOTIVE
QUALIFIED
AEC-Q101



HIGH SURGE
CURRENT CAPABILITY

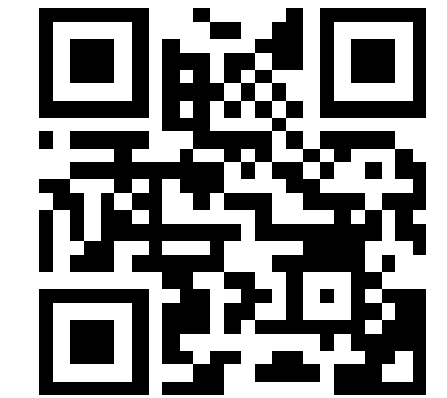


T_j max, up to
175°C



LOW POWER LOSS
HIGH EFFICIENCY

SPECIFICATION



Scan or click QR code
to specification



**TAIWAN
SEMICONDUCTOR**

www.taiwansemi.com