



TMBS[®] Rectifiers in eSMP[®] SERIES | IN A NUTSHELL

TRENCH MOS BARRIER SCHOTTKY TECHNOLOGY IN SPACE-SAVING FOOTPRINTS AND LOW PROFILE PACKAGE SOLUTIONS



Reverse voltage from 45 V to 200 V

Current range from 1 A to 60 A



Low profile package heights

Low power losses and high efficiency



Trench MOS Schottky technology provides low forward voltage drop



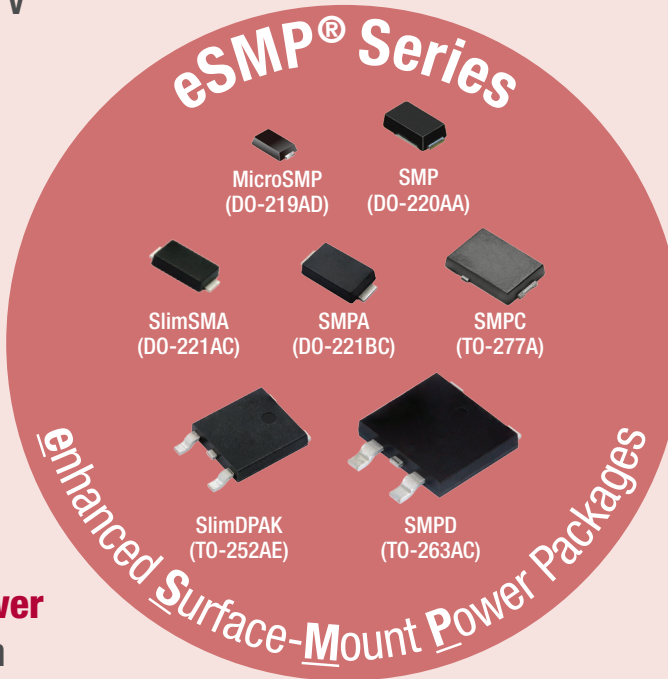
Enable **higher current** and **power efficiency** with a **unique design** that **promotes better thermal performance** and **reliability**



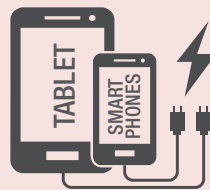
MAXIMUM OPERATING JUNCTION TEMPERATURE

Up to 175 °C

For M type Schottky barrier part numbers



APPLICATIONS



DC/DC CONVERTERS
FREE-WHEELING



CONSUMER



AUTOMOTIVE



INDUSTRIAL

Select **TMBS[®] rectifiers** available in the following packages:

- MicroSMP (DO-219AD)
- SlimDPAK (TO-252AE)
- SlimSMA (DO-221AC)
- SMP (DO-220AA)
- SMPA (DO-221BC)
- SMPC (TO-277A)
- SMPD (TO-263AC)

**AEC-Q101
Qualified**



TMBS[®] **AEC-Q101 Qualified** Products have undergone **part average testing (PAT)** and **statistical yield limit (SYL)** analysis to ensure their electrical parameters meet the **highest quality** level for **automotive** applications



**AEC-Q101
Qualified**

**eSMP[®] Series
Packages Overview**



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