## **Schottky Barrier Rectifier**

Vishay announces Schottky barrier rectifiers based on Trench MOS technology. Useful as rectification circuits or OR-ing diodes in redundant switchmode power supplies, or to replace synchronous rectification solutions, the five TMBS&#153 devices feature low forward voltage drop. The VTS40100CT, packaged in a TO-220AB case that is rated for 40 A (2 &#215 20 A) and 100 V, is optimized for 100 to 300 W high-frequency switchmode power supply applications. Its ultra-low typical forward voltage drop of 0.375 V at 5 A and 125&#176 C reduces conduction power losses. The V40100P is also rated for 40 A (2 &#215 20 A) and 100 V, with a TO-247AD case and a lower typical forward voltage drop of 0.372 V under the same conditions. That forward voltage drop is matched by the V50100P, which also has a TO-247AD case and a higher rating of 50 A (2 &#215 25 A). The V30100S and VF30100S are both rated for 30 A (1 &#215 30 A) and 100 V, with a typical forward voltage drop of 0.385 V at 5 A and 125&#176 C. The V30100S is packaged in a TO-220AB case and the VF30100S in a fully molded ITO-220AB case.

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