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TMBS® Rectifiers in FlatPAK 5 x 6 Package With Reverse Voltage Up to 200 V Increase Power Density and Efficiency

Vishay's TMBS® rectifiers in the FlatPAK 5 x 6 package combine Schottky efficiency with high integration and thermal performance, making them ideal for space-constrained power designs, especially in automotive and industrial applications.

Product Benefits:

- Higher efficiency
 - Low forward voltage drop reduces conduction losses
 - Low power losses enable more efficient system operation
- Compact, space-saving design
 - Replaces two SMC packages in one device
 - Saves > 65 % PCB space, simplifying layouts
- Improved power density
 - High current capability in a small footprint
 - Optimized for dense, high performance designs
- Wide voltage range
 - Devices available reverse voltages up to 200 V
- AEC-Q101 qualified
- Operating temperature range from -40 °C to +175 °C
- Available in common cathode and separated cathode configurations



Key Applications

- DC/DC converters (low voltage, high frequency)
- Freewheeling diodes
- Polarity protection
- Automotive electronics systems

Useful Links

- [Infographic](#)



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Fast Facts

Product Group: Vishay Semiconductors, Diodes / July 2026



Series	Package Type	45 V	60 V	100 V	120 V	150 V	170 V	200 V
V6K	Separated cathode			V6K100DU				
V6KL	Separated cathode	V6KL45DU						
V6KM	Separated cathode	V6KM45DU			V6KM120DU			
V8K	Separated cathode							V8K202DU
V8KM	Separated cathode		V8KM60DU					
V10K	Common cathode		V10K60C	V10K100C	V10K120C	V10K150C	V10K170C	V10K202C
	Separated cathode		V10K60DU	V10K100DU				V10K202DU
V10KL	Common cathode	V10KL45C						
	Separated cathode	V10KL45DU						
V10KM	Common cathode	V10KM45C	V10KM60C	V10KM100C	V10KM120C	V10KM150C		
	Separated cathode	V10KM45DU			V10KM120DU			
V15K	Common cathode		V15K60C	V15K100C	V15K120C	V15K150C	V15K170C	V15K202C
V15KL	Common cathode	V15KL45C						
V15KM	Common cathode	V15KM45C	V15KM60C	V15KM100C	V15KM120C	V15KM150C		
V20K	Common cathode		V20K60			V20K150	V20K170	V20K202
V20KL	Common cathode	V20KL45						
V20KM	Common cathode	V20KM45	V20KM60	V20KM100	V20KM120			
V30K	Common cathode	V30K45	V30K60			V30K150	V30K170	V30K202
V30KL	Common cathode	V30KL45						
V30KM	Common cathode	V30KM45	V30KM60	V30KM100	V30KM120			

For further information, please contact our regional marketing offices.

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