

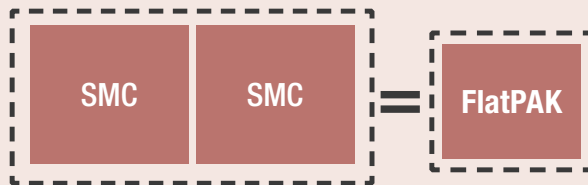


TMBS[®] RECTIFIERS IN FLATPAK 5 x 6 PACKAGE

INCREASE POWER DENSITY AND PERFORMANCE EFFICIENCY

SIMPLIFY PCB LAYOUTS

One package instead of two
saves > 65 % PCB space



Reverse voltage to 150 V



Low forward drop,
low power losses



High efficiency operation

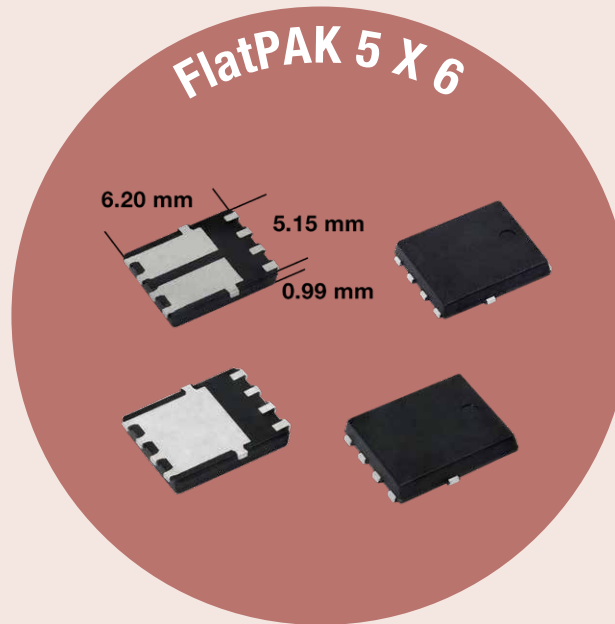


AEC-Q101 qualified and
Automotive Grade



Operating junction temperature range

-40 °C to +175 °C



APPLICATIONS

- Low voltage, high frequency DC/DC converters
- Free-wheeling diodes
- Polarity protection



DC/DC CONVERTERS,
FREE-WHEELING



AUTOMOTIVE

Part Number	Reverse Voltage (V)	I _{F(AV)} (A)	V _F at I _F (V at A)	I _{FSM} (A)	T _J max. (°C)
V10K100DU	100	2 x 5	0.59	100	150
V10K60DU	60	2 x 5	0.48	100	150
V10KL45DU	45	2 x 5	0.39	100	150
V10KM120DU	120	2 x 5	0.62	100	175
V10KM45DU	45	2 x 5	0.44	100	175
V30K45	45	30	0.46	240	150
V6K100DU	100	2 x 3	0.55	80	150
V6KL45DU	45	2 x 3	0.36	80	150
V6KM120DU	120	2 x 3	0.6	80	175
V6KM45DU	45	2 x 3	0.44	80	175
V8KM60DU	60	2 x 4	0.5	80	175
V10KM60C	60	2 x 5	0.47	100	175
V10K100C	100	2 x 5	0.55	100	150
V10K120C	120	2 x 5	0.59	100	150
V10K150C	150	2 x 5	0.63	100	150
V10K60C	60	2 x 5	0.44	100	150
V10KL45C	45	2 x 5	0.35	100	150
V10KM100C	100	2 x 5	0.56	100	175
V10KM120C	120	2 x 5	0.6	100	175
V10KM150C	150	2 x 5	0.63	100	175
V10KM45C	45	2 x 5	0.42	100	175
V15K100C	100	2 x 7.5	0.55	140	150
V15K120C	120	2 x 7.5	0.6	140	150
V15K150C	150	2 x 7.5	0.63	140	150
V15K60C	60	2 x 7.5	0.44	140	150
V15KL45C	45	2 x 7.5	0.36	140	150
V15KM100C	100	2 x 7.5	0.56	140	175
V15KM120C	120	2 x 7.5	0.6	140	175
V15KM150C	150	2 x 7.5	0.63	140	175
V15KM45C	45	2 x 7.5	0.42	140	175
V15KM60C	60	2 x 7.5	0.47	140	175

Products in table are AEC-Q101 qualified and Automotive Grade

For Technical Questions: DiodesAmericas@vishay.com, DiodesEurope@vishay.com, or DiodesAsia@vishay.com