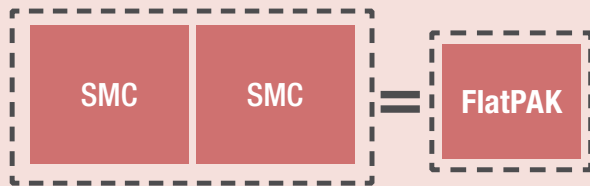




FRED Pt[®] ULTRAFAST RECTIFIERS IN FlatPAK 5 x 6

INCREASE POWER DENSITY AND PERFORMANCE EFFICIENCY

Simplify PCB layouts with
ONE PACKAGE INSTEAD OF TWO;
SAVING > 65 % PCB SPACE



200 V reverse voltage



Low forward drop reduces power losses and improves efficiency



High forward current ratings of
6 A (2 x 3 A) and 8 A (2 x 4 A)

Ultrafast recovery times down to 25 ns



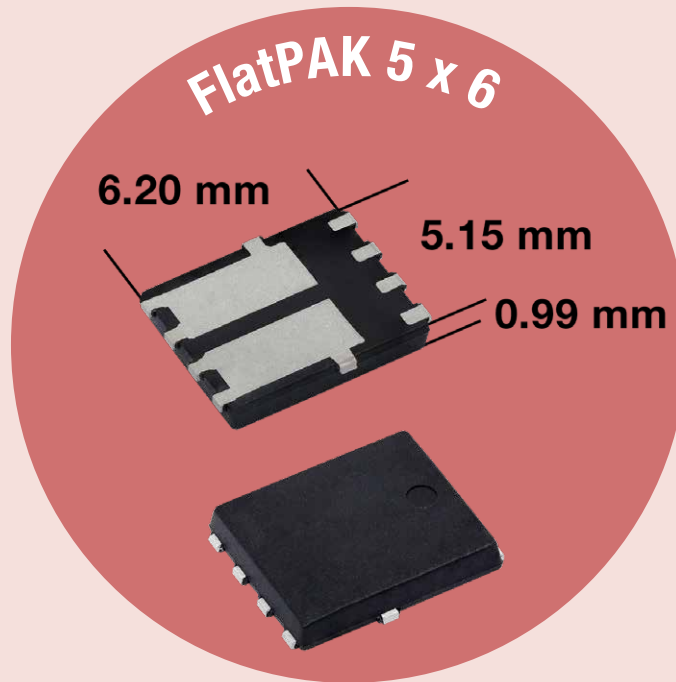
2000 hours of high temperature
reverse bias (HTRB) testing
guarantees long term reliability



2000 h

Operating temperature range of

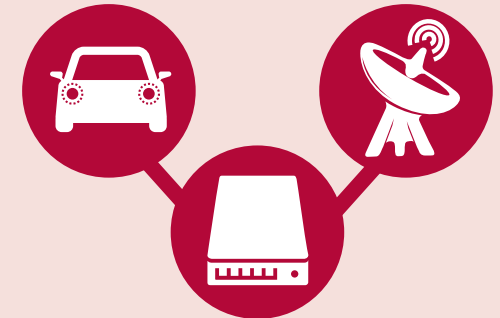
-55 °C to +175 °C





APPLICATIONS

DC/DC converters

- AEC-Q101 rectifiers: automotive engine control units (ECU), anti-lock braking systems (ABS), and HID and LED lighting
- Commercial / industrial rectifiers: telecom power supplies



Vishay Part Number	Forward Current $I_{F(AV)}$	Forward Voltage V_F at I_F	Reverse Recovery Time t_{rr}	AEC-Q101 Qualified?
VS-6DKH02-M3	2 x 3 A	0.71 V	25 ns	No
VS-6DKH02HM3 				Yes
VS-8DKH02-M3	2 x 4 A	0.7 V	25 ns	No
VS-8DKH02HM3 				Yes

For technical questions: DiodesAmericas@vishay.com, DiodesEurope@vishay.com, or DiodesAsia@vishay.com