

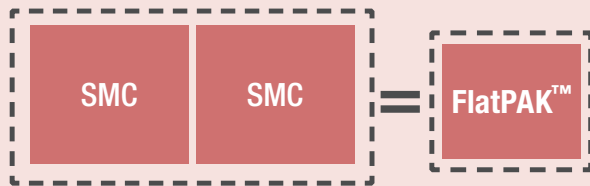


FRED Pt[®] Ultrafast Rectifiers in FlatPAK[™] 5 X 6

INCREASE POWER DENSITY AND PERFORMANCE EFFICIENCY

IN A NUTSHELL

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

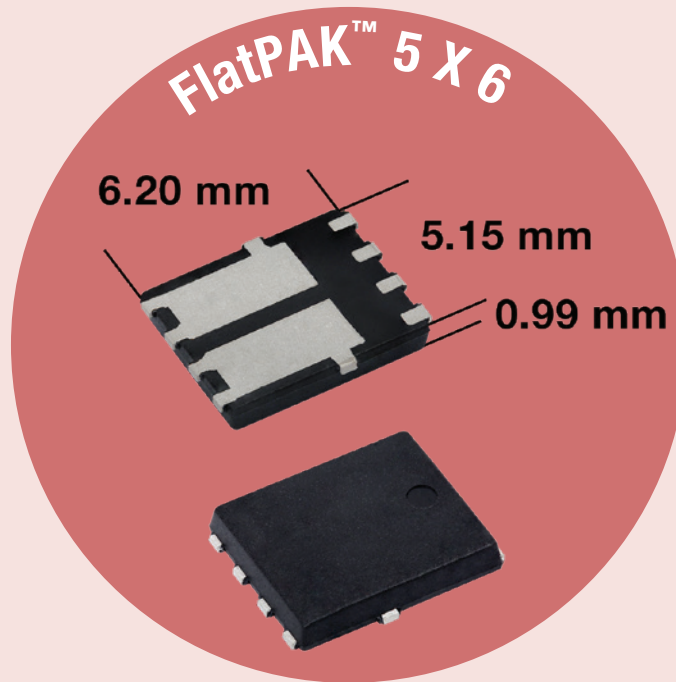


2000 hours of high temperature reverse bias (HTRB) testing guarantees long term reliability



Operating temperature range of

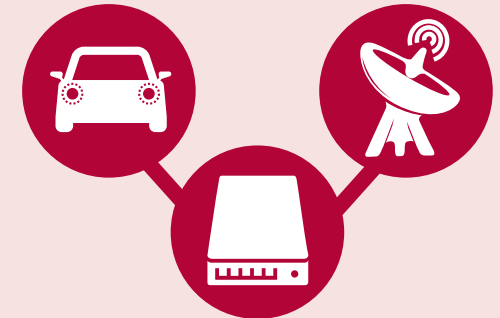
-55 °C to +175 °C





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 P/N	Forward Current I _{F(AV)}	Forward Voltage V _F at I _F	Reverse Recovery Time t _{rr}	AEC-Q101
VS-6DKH02-M3	2 x 3 A	0.71 V	25 ns	No
VS-6DKH02HM3 	2 x 3 A	0.71 V	25 ns	Yes
VS-8DKH02-M3	2 x 4 A	0.7 V	25 ns	No
VS-8DKH02HM3 	2 x 4 A	0.7 V	25 ns	Yes

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